

**SNPLMA Round 20  
Capital Improvements Project Addendum**

**Nomination:** Tab 1

**Entity:** U.S. Forest Service, Humboldt-Toiyabe National Forest,  
Spring Mountains National Recreation Area

**Project:** Bristlecone Trail Reconstruction

**Remarks/Clarifications Needed:**

**Section C – Purpose Statement:**

1. This is a list of tasks. The Purpose Statement should be a 1-2 sentence statement defining Who, What, Where, Why, not “How”

**Section D - Project Deliverables-Primary:**

1. All of the Primary Deliverables need quantifiers (i.e. define appx acres, number of miles, etc, in order to help determine completion).
2. Bullet #3 “Install trail directional signing” is the same task as part of Bullet #7 “Improve existing trailhead infrastructure to allow for greater access and use, such as picnic tables, trash receptacles, vault toilet, and parking lot/trailhead improvements. Install educational and informational kiosks, trail directional signing, visitor/trail.”
3. Bullet #5 “Restore abandoned sections of trail following realignment to discourage continued use and protect natural resources” is more an Anticipated Deliverable since FS does not know the if/amount/extent of the 'abandoned sections' until the initial survey/realignment is done.

**Section D – Project Deliverables-Anticipated:**

1. Bullet #1 “Improve visitor satisfaction and recreation opportunities” is a desired outcome not a task.
2. Bullet #3 “Provide educational maps and other information, to include updating the Forest Service website and social media sites and partner websites to amplify educational messaging.”

**This needs clarification/quantification, what ‘other information’? Is FS creating new maps? New brochures? How many appx postings on FS website? Appx how many on ‘partner’ websites?**

**Section H – Future Operating and Maintenance:**

1. This section states “The Bristlecone Trail portion of the project will result in no change in the annual operations and maintenance costs and the overall project will result in a significant decrease in the deferred maintenance costs.”

**Clarification needed. Decrease in maintenance seems questionable if amenities such as toilets, picnic tables, trash receptacles, etc. are to be added to Trailhead(s).**

### **Section M – Maps:**

1. Only 1 map submitted. Unsure if this is supposed to cover all the type of maps requested (Agency Area, Connectivity, Community, and Sustainability) since there is no description(s), the map only states, “Bristlecone Trail and Vicinity”.

### **Performance Measures:**

1. H9 Acres of Invasive Plant Species Treated or Restored 10 acres - Nomination does not mention any weed/invasive plant species treatment/control.

### **Budget - Excel Spreadsheet:**

#### **Personnel Tab**

- \$5,850 for “Invasive Species Plan Tech (GS7) - treatment of invasive plants”. Weed treatment is not in the Nomination.
- \$56,250 for “Contracting Officer Representative (COR)”. Project Manager is usually responsible for being the COR also, rather than a separate person.
- \$21,000 for “Project Inspector (other than contracted PI)”. This is a separate person too, not the Project Manager/COR?
- \$45,000 for “Law Enforcement Officer or Forest Protection Officer”. Law Enforcement/patrols are not in the Nomination, is this the visitor monitoring and interaction?

#### **Travel Tab**

- \$90,000 for travel and per diem for Engineer, COR, Project Manager, CO, and Trails specialist. Clarification needed what these trips are for/from where?

#### **Equipment Tab**

- \$25,000 for “Equipment repairs not included in contracts”. If contractor is doing the work, they are responsible for repairs.

#### **Contracts and Agreements Tab**

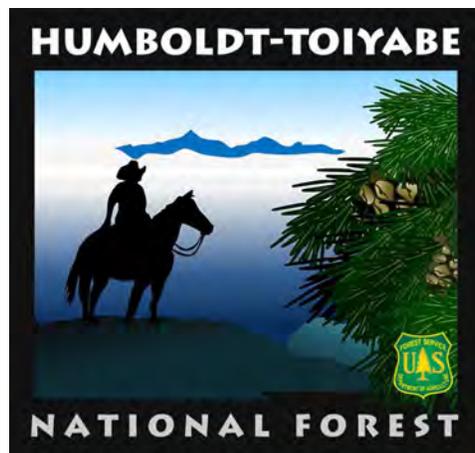
- \$11,000 for “Contract specification development”. What is this for? Wouldn't this already fall within the Project Manager/CO/COR's personnel time in Tab 1?
- \$6,500 for “Contract development, solicitation, award”. What is this for? Wouldn't this already fall within the Project Manager/CO/COR's personnel time in Tab 1?
- \$12,500 for “Construction closeout and lien release”. What is this for? Wouldn't this already fall within the Project Manager/CO/COR's personnel time in Tab 1?
- \$80,000 for “Contract for install of vault toilet at upper Trailhead”. Does this amount also include the vault toilet itself or just the installation (the cost of toilet itself is not listed on the spreadsheet).

#### **Vehicle Use Tab**

- \$2,700 for “Vehicle for COR Mileage”. COR is usually the Project Manager which has \$7,200 allocated for his/her mileage.
- \$50,000 for “Heavy equipment costs not included in contract”. If contractor is doing the work, they are responsible for repairs.

**Southern Nevada Public Land Management Act  
Capital Improvements  
Round 20**

**USDA Forest Service  
Humboldt-Toiyabe National Forest  
Spring Mountains National Recreation Area**



**Bristlecone Trail Reconstruction**

Amount Requested: \$3,269,150

## A. BACKGROUND INFORMATION

The Spring Mountains are one of the primary outdoor recreation destinations for the Las Vegas metropolitan area due to their accessibility and cooler temperatures in the summer, and snow play recreation opportunities in the winter. The Spring Mountains is also considered the place of creation for the Nuwuvi (a group of Seven Southern Paiute Tribes) and the center of their ancestral territory. Since the area's original design in the 1920-30's, the Las Vegas metropolitan area has grown from under 9,000 to 2.6 million people, with 42.5 million visitors annually. The SMNRA is Southern Nevada's place to escape the heat in the summer and recreate in the snow for winter.

The Bristlecone Trail, located in Lee Canyon, is one of the most highly used non-motorized trails on the SMNRA. The Bristlecone Trail is a 5.1 mile 'loop' trail that is open to hikers, equestrians, and mountain bikers. It can be accessed from either the Upper Bristlecone Trailhead, adjacent to the Lee Canyon Ski Area at the end of State Highway 156, or the Lower Bristlecone Trailhead, which is located off State Highway 156, on Scout Canyon Road, near the entrance to McWilliams Campground. The upper portion of the trail is approximately 2.3 miles and is a traditional multi-use non-motorized single track type trail, while the lower portion of the trail consists of approximately 2.8 miles of old roadbed that was formerly Scout Canyon Road.

In late-August 2023, the Bristlecone Trail suffered significant damage due to Tropical Storm Hilary, which impacted the Spring Mountains. The tropical storm delivered upwards of 8 to 10 inches of rain in only a matter of hours, leading to significant flooding and debris flows across the Spring Mountains, especially within the Kyle and Lee canyon areas. Post-storm damage assessments of trails, conducted by Forest Service staff and partners, discovered significant damage to multiple trails across the SMNRA, to include the Bristlecone Trails. The following is a summary of trail damage following the storm impacts:

- From the Upper Bristlecone Trailhead, the Bristlecone Trail is intact for approximately 0.25 miles, but sustained heavy damage beyond this point until approximately mile post 1.0 from the trailhead. The trail in this section has been completely obliterated, with multiple deep ruts and three newly formed stream/wash channels up to 6 feet in depth bisecting the former trailway. This section of trail is no longer safe for passage, with only trace elements of the trail identifiable, such as rock steps, small rock walls, and larger rocks that lined the trail. Additionally, the new stream channels have severe undercuts that can cause the sides to fail if a user is too close to the edge. Hazard trees are also identifiable within the one mile of obliterated trail, especially adjacent to the new stream channels, from soil being removed exposing the root system causing leaning and downed trees. Once past this obliterated section of the trail, the remainder of the upper portion of the trail is in relatively good shape with only general trail maintenance and hazard tree removal needed.
- From the Lower Bristlecone Trailhead, the trail follows along the former Scout Canyon Road (now closed at the trailhead) for approximately 2.8 miles until it transitions to single-track at the upper portion of the trail. Along this entire 2.8-mile section from the lower trailhead, there are numerous washouts, roadbed/trail erosion, and slope failures

impacting the integrity of the trail along with downed trees across this entire section of the trail.

This project will sustainably reconstruct, realign, and improve the Bristlecone Trail by helping the Forest Service to analyze what is necessary to restore public access in a sustainable manner to withstand high visitor use. Recreation use in this area will continue to increase. Proper analysis, design, reconstruction, and education are needed to preserve natural resources and recreational experiences. Analysis of the area will have numerous benefits, such as opportunities for expanded recreation, creating a sustainable and low maintenance trail and trailhead facilities, protect resources (including Mt Charleston blue butterfly habitat), and enhance visitor experience. Though the impetus for the timing of this project is the flood damage, the project will allow the Forest Service to improve access to the trail and trailheads, potentially connect existing trails through the addition of new segments, rehabilitate social trails, and appropriately accommodate the increased visitor demand. Long-term trail maintenance will be accomplished by the collaboration of the Forest Service and our long-established volunteer partners and collaborators, ensuring a quality recreational experience for future generations.

**a. Describe Relationship to Prior Approved Projects and/or Phases Relevant to this Project (SNPLMA funded or not), and any anticipated Future Phases**

This project is stand-alone and is not related to any prior approved projects or phases.

**b. Acknowledgement of Stand-Alone Project and no Guarantee of Funding for Future Phases**

This project is a stand-alone project with no future phases.

## **B. EXECUTIVE COMMITTEE'S SNPLMA STRATEGIC PLAN VALUES**

Capital Improvement projects have two goals identified in the Strategic Plan:

- Goal 1: Sustain the quality of the outdoor environment by conserving, preserving, and restoring natural and cultural resources.
- Goal 2: Improve the quality of life for all publics in urban and rural communities by enhancing recreational opportunities that connect people with the outdoor environment.

Nominated projects should meet these two goals by focusing on the three SNPLMA core values, connectivity, sustainability, and community. Every nomination must explain how the three values are promoted by the project.

- **Connectivity**

The project provides recreational opportunities that link population centers, recreation facilities, and the user to the outdoors and natural landscapes. It encourages people to meaningfully connect with their natural environment, thus helping them appreciate and care for the environment. The project will also connect the user to the history and/or cultural of the site and engages the user in appreciation of the site/area.

- Restore recreational opportunity and access on the Bristlecone Trail on the SMNRA by reestablishing and rerouting sections of the trail following significant storm damage from Tropical Storm Hilary.
  - Inventory social trails in the area and determine if trails can be improved and adopted into the official trail system creating additional connectivity or restore unwanted social trails to reduce impact on resources.
  - Educate visitors regarding the recreational opportunities and natural resources through the use of kiosks, maps, social media sites and the Forest Service website.
- **Sustainability**  
The project supports conservation, preservation, restoration, or modernization of natural, cultural, or historic resources (which includes infrastructure) to ensure availability of those resources for future generations. The project will remain relevant and continue to provide benefit to a recreation user over the anticipated life of the project.
    - Reestablish, reconstruct, and re-route the Bristlecone Trail which received significant storm damage and is currently unsafe for public access.
    - Reroute the significantly damaged section of the upper portion of the Bristlecone Trail to reduce impacts to cultural and natural resources, including avoidance of listed species habitat.
    - Install protective fencing where trail passes near listed species habitat to discourage off-trail use and mitigate habitat impacts.
    - Educate visitors regarding recreational opportunities and the natural and cultural resources in the area through the use of kiosks, maps, social media, and the Forest Service website.
    - Anticipated design life of this project is approximately 30 to 40 years.
  - **Community**  
This project provides or improves outdoor recreation opportunities to improve the quality of life, especially for underserved communities. It conserves or restores the functionality, resiliency, and integrity of biological communities. The project encourages partnerships, which in turn builds community.
    - Reestablish, reconstruct, and re-route the non-motorized Bristlecone Trail which received significant storm damage and are unsafe for access.
    - Restore damage sections and re-route the upper section of the trail to reduce the potential for adverse impacts on resources.
    - The SMNRA has strong partnerships with local groups including the Southern Nevada Conservancy and Spring Mountains Youth Camp which would assist with volunteer work as a part of this project.

## C. PURPOSE STATEMENT

The Humboldt-Toiyabe National Forest, Spring Mountains National Recreation Area (SMNRA) will improve sustainable outdoor recreation, significantly improve visitor safety, protect Mt. Charleston Blue Butterfly habitat, and restore visitor access to the Bristlecone Trail by:

- Reconstruct and realign the Bristlecone Trail to Forest Service standards.
- Install new and/or replace existing fencing along sections of the Bristlecone Trail to protect habitat for the listed Mt. Charleston Blue Butterfly located adjacent to the trail.
- Install trail directional signing, as needed.
- Survey the authorized and unauthorized trails in the area to determine appropriate areas to potentially expand the trail system and areas to engage in restoration work.
- Restore abandoned sections of trail following realignment to discourage continued use and protect natural resources.
- Install a new, more durable kiosks to provide visitor education and information on trails and habitat protection.
- Improve existing trailhead infrastructure to allow for greater access and use.
- Engage visitors with public education and outreach during the process.
- GPS and map the reconstructed trails.
- Update the Forest Service website and social media sites.

The project area is approximately 35 miles northwest of Las Vegas, within the Humboldt-Toiyabe National Forest. This area is easily accessed via Nevada State Highway 156, as shown on the enclosed maps.

#### **D. PROJECT DELIVERABLES**

##### Primary:

- Reconstruct and realign/reroute the entire Bristlecone Trail from the Upper Bristlecone Trailhead to the Lower Bristlecone Trailhead.
- Survey the authorized and unauthorized trails in the area to determine appropriate areas to potentially expand the trail system and areas to engage in restoration work.
- Installation of directional trail signing, as necessary.
- Install new and/or replace fencing along sections of the Bristlecone Trail to protect Mt. Charleston Blue Butterfly habitat located adjacent to the trail.
- Restore abandoned sections of trail following realignment to discourage continued use and protect natural resources.
- Improve existing trailhead infrastructure to allow for greater access and use, such as picnic tables, trash receptacles, vault toilet, and parking lot/trailhead improvements.
- Install educational and informational kiosks, trail directional signing, visitor/trail counters, and fencing as needed.
- Increase educational outreach and trail stewardship, including visitor monitoring and interaction.

##### Anticipated:

- Improve visitor satisfaction and recreation opportunities.
- GPS and map the reconstructed trails.
- Provide educational maps and other information, to include updating the Forest Service website and social media sites and partner websites to amplify educational messaging.

**Standard:**

- Complete required inventories, site assessments, and cultural assessment within the project area as required.
- Complete environmental planning process including: NEPA analysis and decision, U.S. Fish & Wildlife consultation, SHPO consultation, Tribal consultation, coordination, etc.
- Coordination with the SNPLMA Program Managers.
  - Development of the project workplan, site inspection and project initiation.
  - SMART quarterly status updates.
  - SMART quarterly expenditures/obligations updates.
  - SMART annual and final accomplishment reports.
  - Preparation of the close out package is a required standard deliverable.

**E. PROJECT LOCATION****Identify County in Nevada where Project will be carried out:**

Clark County

**Identify Congressional District(s):**

Nevada District 4 (NV-4)

**Latitude and Longitude:**

36.303422, -115.681787

**F. PROJECT TIMEFRAME**

The Project Lead will coordinate the overall implementation of the project, track accomplishments, and report out on those accomplishments. Forest engineers will provide assistance in planning and design as well as construction activities. The project will occur over a 5-year (60-month) time period with anticipated benchmarks:

**Year 1**

- Complete work plans and funding authorization.
- Begin planning, design, and compliance documentation.
- Begin and complete survey work.
- Begin USFWS consultation work.
- Begin SHPO consultation.
- Prepare news releases notifying the public about plans for the trail reconstruction.
- Coordination with the County, Tribal Governments and other interested groups.
- Preparation of contract(s) and/or agreements.

**Year 2**

- Complete planning, design, and compliance documentation.
- Complete USFWS consultation.
- Complete SHPO consultation.
- Solicitation and award of contract(s) for trail reconstruction and realignment.

- Continue to prepare news releases notifying the public about trail reconstruction activities.
- Purchase trailhead kiosks and directional signs and materials.
- Purchase fencing supplies.
- Coordination meetings with the County, Tribal Governments and other interested groups throughout the project, as required.

### **Year 3**

- Begin to implement trail construction contract(s).
- Begin installation of kiosks and directional signing.
- Begin to implement contracts for install of fencing to protect listed species habitat.
- Begin installation and contracts for upgraded trailhead infrastructure.
- Continue to prepare news releases notifying the public about trail reconstruction activities.
- Coordination meetings with the County, Tribal Governments and other interested groups throughout the project, as required.

### **Year 4**

- Complete trail construct contracts.
- Complete fencing installation contracts.
- Complete installation and contracts for upgraded trailhead infrastructure.
- Complete restoration of abandoned trail sections due to realignment.
- Complete installation of kiosk and directional signing.
- Continue to prepare news releases notifying the public about trail reconstruction activities.
- Coordination meetings with the County, Tribal Governments and other interested groups throughout the project, as required.
- GPS and map all reconstructed trails.

### **Year 5**

- Update the Forest web and social media sites with details, maps, photos and descriptions of the reconstructed trails.
- Complete final accomplishments/close-out reports and the public news releases prepared.

## **G. LEVEL OF PROJECT READINESS FOR IMPLEMENTATION**

Is this a shovel-ready project?  Yes  No

- The Humboldt-Toiyabe National Forest plan to contract and utilize in-house agency services for this project. The Forest Service has the necessary skills and resources to complete the project within the standard period of performance for capital improvement projects.
  - Engineering and design will be done with a combination of Forest Service staff and contracts.

- Sections of trail that must be realigned will require NEPA, in addition to wildlife and botanical surveys, and U.S. Fish & Wildlife consultation, due to the presence of listed species habitat in the area.
- Updated cultural surveys have been completed in the area, however, field verification and monitoring will be necessary depending on realignment path. Coordination and consultation with SHPO will also be required.
- Trail reconstruction will be completed using contracts.
- Installation of signing, kiosks, and fencing will be completed using agency personnel, agreements, and/or contracts.

Have you applied, received, or is there the opportunity to obtain funding from another source for this project? Please list the additional funding opportunities received or applied for and indicate whether it is federal or nonfederal funding.

Not Applicable

## **H. FUTURE OPERATING AND MAINTENANCE**

The anticipated lifecycle of the project will be approximately 30 to 40 years, with the intent of trail design to be a sustainable corridor that can last indefinitely with basic maintenance, barring unforeseen natural events. The Bristlecone Trail portion of the project will result in no change in the annual operations and maintenance costs and the overall project will result in a significant decrease in the deferred maintenance costs. Without this project, access to the Bristlecone Trail on the SMNRA will be reduced significantly and we will almost surely have more trail and resource degradation, coinciding with growing visitor dissatisfaction.

Operations and maintenance costs will involve some appropriated dollars and recreation special uses fee dollars, with significant contributions from volunteers and partnerships to maintain this trail system. Most operations and maintenance for these trails are completed using volunteers and through partnerships with organizations like the Southern Nevada Conservancy, Spring Mountains Youth Camp, Friends of Nevada Wilderness, and Back Country Horsemen. Additionally, the Upper Bristlecone Trailhead and the upper portion of the Bristlecone Trail fall with the special use permit boundary for the Lee Canyon Ski Area and support for operations and maintenance of the trailhead may also come from the permittee.

## **I. PROJECT BUDGET**

Complete the project budget using the provided Excel spreadsheet template and upload as a separate document to the "Submissions" tab in the Nomination Portal. Do not embed the project budget in this document.

### Partnership and/or Contributed Funds

Partners, including Southern Nevada Conservancy and Spring Mountain Youth Camp will provide agreement and volunteer support with trail monitoring, sign installation, and education/outreach. Estimated 100 hours per year for 3 years, for a total of 300 hours at the current volunteer rate of \$31.80 per hour (\$9,540).

## J. KEY CONTACTS

Authorized Officer: Deborah MacNeill, Area Manager, Humboldt-Toiyabe National Forest, Spring Mountains National Recreation Area

Email: [deborah.macneill@usda.gov](mailto:deborah.macneill@usda.gov)

Phone Number: 702-515-5488

Project Manager: Randy Kyes, Recreation, Heritage, and Wilderness Staff Officer, Humboldt-Toiyabe National Forest, Supervisor's Office

Email: [randy.kyes@usda.gov](mailto:randy.kyes@usda.gov)

Phone Number: 775-527-1391

Budget Officer: Petersam (Sam) Le, Forest Budget Officer, Humboldt-Toiyabe National Forest, Supervisor's Office

Email: [petersam.le@usda.gov](mailto:petersam.le@usda.gov)

Phone Number: 775-300-1739

## K. RANKING CRITERIA

The Ranking Criteria are used to evaluate the nomination against the goals for the Capital Improvements category. Nominating entities are not to include either the total point value or the point values by criteria in their responses. Nominations will be reviewed and scored by the Capital Improvements subgroup. Explain how the project meets each applicable criterion.

1. **SUSTAINABILITY & MODERNIZATION:** The project supports, or plans to support, conservation, preservation, restoration, or modernization of natural, cultural, or historic resources (which includes infrastructure) to ensure availability of those resources for future generations. The agency has shown the project is feasible and will remain relevant and continue to provide benefit to a recreation user over the anticipated life of the project. Clearly explain what the anticipated design life of the project is and identify what and how the natural resources will be sustained.

*A. A new project or facility, or planning for a new project or facility, including employee housing, designed specifically to engender conservation stewardship and provide new opportunities within the management area that is ecologically, economically, and socially sustainable for present and future generations and restore or preserve natural resources or cultural resources of the area. Directly supports the conservation and stewardship of natural and cultural resources.*

Answer: **Not Applicable**

*B. Modernization or rehabilitation, or planning for the modernization or rehabilitation, of an existing project, facility and/or amenities to enhance the visitor experience, improve*

*unit operations, and reduce or eliminate user impacts to the natural or cultural resources, or restore natural processes within the immediate project area.*

**Answer: This project seeks to reestablish access and improve the recreational experience by reconstructing the tropical storm damaged Bristlecone Trail. By reestablishing access to this trail, the Forest is optimistic this effort will live on for generations.**

- **This project will restore access to the popular, high-use Bristlecone Trail which is no longer safe for use following significant storm damage.**
- **The reconstructed and realigned trail will provide a safe and sustainable trail for recreational use.**
- **This project will protect natural resources by protecting habitat for the Mt. Charleston Blue Butterfly and improving trail design to reduce impacts such as erosion. Additionally, restoration of disused sections of trail following realignment would occur to discourage use and protect resources.**
- **This project will protect natural resources by improving trail design to reduce impacts such as erosion. Additionally, the project would analyze social trails in the area for potential addition to the trail system or restoration of disused sections of trail to discourage use.**
- **The project would improve trailhead facilities by opportunities for expanded recreation, creating a sustainable and low maintenance trail and trailhead facilities, protect resources, and enhance visitor experience.**
- **Information provided at kiosks, on maps and on the Forest Service website and social media sites will educate visitors regarding the recreational opportunities and the natural resources in the area.**
- **Increased educational outreach and trail stewardship, including visitor monitoring and interaction, would provide direct education to the public and allow for better management of visitor use and facilities.**

*C. Planning of, or conservation and stabilization, restoration, or rehabilitation of, significant historic buildings, cultural sites, and other significant historic facilities for the present and future generations to enjoy and appreciate the areas cultural heritage.*

**Answer: Not Applicable**

*D. New facilities, or planning for a new facility, that enhances or improves management of public lands. These might include visitor centers, contact stations, and campgrounds to improve public access; housing for staff, interns, and volunteers to carry out programs for improved conservation, education; and curation facilities and workspace to improve conservation of natural and cultural resources and opportunity for educational programming.*

**Answer: Not Applicable**

**2. CONNECTIVITY:** The project provides, or plans to provide, recreational opportunities

that link population centers, recreation facilities, and the user to the outdoors and natural landscapes. It encourages people to meaningfully connect with their natural environment, thus helping them appreciate and care for the environment. The project will also connect the user to the history and/or cultural of the site and engages the user in appreciation of the site/area.

- A. *Provides, or plans to provide, new, upgraded, or modernized feasible access and/or amenities or infrastructure to previously under-served areas and/or new opportunities to enjoy/appreciate public lands (e.g., trails, kiosks with location maps and site information, roads, parking, way-finding, restrooms, day use or overnight camping).*

**Answer: This project reconstructs and realigns the popular Bristlecone Trail on the Spring Mountains National Recreation Area. It would reestablish recreation access in a safe and sustainable manner where currently the trail is severely damaged due to tropical storm damage.**

- **Reconstruction and realignment of the trail would reestablish recreational opportunities in a safe and sustainable manner.**
- **Currently the trails pose a concern to both public safety and natural resources.**
- **Reconstruction of the trail will also reestablish connectivity to other trails in the area which intersect, allowing greater recreational opportunities.**
- **The project would improve trailhead facilities by opportunities for expanded recreation, creating a sustainable and low maintenance trail and trailhead facilities, protect resources, and enhance visitor experience.**
- **Installation of signs, a new, improved kiosk, and updated information on the web.**

- B. *Improves, or plans to improve, access to previously developed recreation areas and sites on public lands and/or rehabilitates, upgrades, or modernizes site amenities (e.g., improves access to trails, area or site information and way-finding, converts high clearance access roads to passenger vehicle accessible roads, and/or improves parking).*

**Answer: This project reconstructs and realigns the popular Bristlecone Trail on the Spring Mountains National Recreation Area. It would reestablish recreation access in a safe and sustainable manner where currently the trail is severely damaged due to tropical storm damage.**

- **Reconstruction and realignment of the trail would reestablish recreational opportunities in a safe and sustainable manner.**
- **Currently the trails pose a concern to both public safety and natural resources.**
- **Reconstruction of the trail will also reestablish connectivity to other trails in the area which intersect, allowing greater recreational opportunities.**

- **The project would improve trailhead facilities by opportunities for expanded recreation, creating a sustainable and low maintenance trail and trailhead facilities, protect resources, and enhance visitor experience.**
- **Installation of signs, a new, improved kiosk, and updated information on the web.**

C. *Provides, or plans to provide, new or additional recreation opportunities by connecting two or more existing recreational facilities/areas or cultural sites, and increased access to primitive or developed outdoor recreation and educational opportunities to meet increased user demand.*

Answer: **Not Applicable**

D. *Contains an outreach and education or stewardship component to improve public awareness and engage the public in the conservation and protection of the surrounding natural environment through the use of resource interpretation (e.g., information signage, kiosks, on-site docent accommodations, educational programs, restoration, revegetation, invasive species removal, cultural site protection).*

Answer: **Information provided at kiosks, on maps and on the Forest Service website and social media sites will educate visitors regarding the recreational opportunities, natural and cultural resources. Increased educational outreach and trail stewardship, including visitor monitoring and interaction, would provide direct education to the public and allow for better management of visitor use and facilities.**

3. **COMMUNITY:** The project provides, or plans to provide, or improves outdoor recreation opportunities to improve the quality of life, especially for underserved communities. It conserves or restores, or plans to conserve or restore, the functionality, resiliency, and integrity of biological communities, and/or addresses affordable employee housing. The project encourages partnerships, which in turn builds community. *(Encourages and engages the public in the conservation and protection of the surrounding natural environment through use of volunteer/stewardship resources)*

A. *Outdoor recreation projects that provide, or plans to provide, economic benefits to local communities and social benefit to the recreationist and are responsive to changing demographics. The project has demonstrated feasibility and has agreements or partnerships in place for the planning, design, implementation, and/or management of the project.*

Answer:

- **The Spring Mountains National Recreation Area has strong partnerships with groups like Southern Nevada Conservancy, Spring Mountains Youth Camp, Back Country Horsemen, and Friends of Nevada Wilderness. These partners play an integral part in assisting the Forest Service with trail maintenance and education activities. Existing agreements are in place for**

**support and these partners would be involved in the long-term operations and maintenance of the project trail.**

- **The Upper Bristlecone Trailhead and upper portion of the Bristlecone Trail fall with the special use permit boundary for the Lee Canyon Ski Area. The SMNRA and Lee Canyon Ski will would together to support operations and maintenance in this area of the project.**
- **The Bristlecone Trail is highly popular with both tourists and southern Nevada locals from a wide range of demographics due to typical ease of access, trailhead parking, etc. Reestablishing recreation access to the trail would provide social and economic benefit to the local community.**

B. *Project has identified committed non-SNPLMA sources of funding or in-kind contribution for the planning, design, and development of the project.*

Answer: **Not Applicable**

C. *Project provides agency or unit support/administrative infrastructure in underserved areas to improve management of, conservation stewardship, educational programming, and access to, public lands.*

Answer: **Not Applicable**

D. *Supports, or plans to support, community through affordable employee housing to promote economic development, enhance the quality of life, and improve the productivity and management of public lands.*

Answer: **Not Applicable**

4. **OPERATIONS AND MAINTENANCE:** The agency has clearly demonstrated that the anticipated operations and maintenance costs for the project and resources necessary to operate the project are within existing appropriations or demonstrated how they will secure the necessary operations and maintenance funds. *(Agency has detailed the estimated annual O&M costs, estimated use, and permit fees to be collected, if applicable.)*

A. *The agency has demonstrated that the project is feasible and current appropriations are sufficient for the operations and management of the new project or that O&M costs will be reduced after reconstruction and will be offset by concessionaire or volunteer labor for O&M.*

Answer: **The Agency will utilize a mix of appropriated funds, recreation special uses fees, volunteers, and partners to operate and maintain the trail system. For many years, the SMNRA has worked with Southern Nevada Conservancy, Spring Mountains Youth Camp, Friends of Nevada Wilderness, and Back Country Horsemen on completing maintenance on trails. Additionally, the trails would be rebuilt to sustainable standards, a significant reduction in operations and**

**maintenance costs can be achieved by allowing the area to be maintained by volunteers, partners, and SMNRA staff as part of their regular duties. The existing and failing habit protective fencing would be replaced with more sturdy and durable materials which would significantly reduce or eliminate costs associated with continual maintenance and repair that the current fence requires.**

- B. *Volunteers or partners will be responsible for operation and maintenance of the project and agency funds will not be needed.*

**Answer: The Agency will utilize a mix of appropriated funds, recreation special uses fees, volunteers, and partners to operate and maintain the trail system. For many years, the SMNRA has worked with Southern Nevada Conservancy, Spring Mountains Youth Camp, Friends of Nevada Wilderness, and Back Country Horsemen on completing maintenance on trails. Additionally, the Lee Canyon Ski Area permit boundary covers the upper portion of the trail and trailhead and would work in coordination with the SMNRA to assist with operations and maintenance.**

- C. *The agency has included the current O&M costs, if any, and how this project will reduce current operations and maintenance costs. The entity has clearly shown what the anticipated savings will be, and/or how the project will reduce water use or energy costs for utilities or other O&M costs.*

**Answer: Not Applicable**

- D. *Project would improve, or plans to improve, energy efficiency and/or independence.*

**Answer: Not Applicable**

#### 5. **LIFECYCLE REPLACEMENT/RECONSTRUCTION AND DEFERRED**

**MAINTENANCE:** Any existing project or facility that has met or exceeded its useful life, design life, or life cycle that requires major restoration or reconstruction, or plans for major restoration or reconstruction, to restore the historic fabric of the facility or meet standard new Federal accessibility guidelines. *(Does not include reconstruction, changes, or new amenities for previously approved SNPLMA capital improvement projects. Excludes projects that were identified as phased construction, each phase must be fully operational and serve the intended purpose upon completion.)*

- A. *The project remains relevant, but has exceeded its useful design life, does not meet current federal accessibility standards, or deferred maintenance costs exceed the cost of replacement or reconstruction.*

**Answer: As a result of substantial damage from Tropical Storm Hilary in August 2023, a significant section of the Bristlecone Trail is no longer safe for recreational users. This project is crucial if we want to maintain these recreational opportunities into the future. Due to historic storm damage, this trail has exceeded its design life**

**and reconstruction will extend the useful life of the trails an additional 30-40 years or more, with routine maintenance due to sustainable design.**

- B. *Current use has exceeded the original planned visitation/use and impacts have created a need to replace or reconstruct, or plans to replace or reconstruct, the facility earlier than originally intended and increased deferred maintenance costs exceed the cost of replacement or reconstruction. The project proposal shows the current annual maintenance costs and the anticipated savings after construction/reconstruction is complete.*

Answer: **Not Applicable**

## **L. ORDERS AND PRIORITIES**

Respond to the Executive Orders, Secretarial Orders, Department of the Interior Priorities, and USDA Forest Service Priorities as they apply to the purpose of the nomination.

1. Executive Orders (EO):

0. ***EO No. 13855: Promoting Active Management of America's Forests, Range Lands to Improve Conditions and Reduce Wildfire Risk***

Not Applicable

1. ***EO No. 14004: Ensuring the Future is Made in All of America by All of America's Workers***

Not Applicable

- ***EO No. 14063: Use of Project Labor Agreements for Federal Construction Projects (applicable to projects estimated at \$35 million or more)***

Not Applicable

- ***EO No. 14072: Strengthening the Nation's Forests, Communities, and Local Economies***

The various aspects of this project and associated contracts and/or agreement will create jobs and stimulate portions of the economy through trail construction work.

- ***EO No. 14096: Revitalizing Our Nation's Commitment to Environmental Justice for All***

Not Applicable.

2. Secretarial Orders

1. ***SO No. 3347: Conservation Stewardship and Outdoor Recreation.***

This project will reestablish recreation access the popular Bristlecone Trails on the SMNRA that were significantly damaged by Tropical Storm Hilary.

2. ***SO No. 3356: Hunting, Fishing, Recreational Shooting, and Wildlife Conservation Opportunities and Coordination with States, Tribes and Territories.***

*Not Applicable*

3. ***SO No. 3362: Improving Habitat Quality in Western Big-Game Winter Range and Migration Corridors.***

*Not Applicable*

4. ***SO No. 3366: Increasing Recreational Opportunities on Lands and Waters Managed by the U.S. Department of the Interior***

*Not Applicable*

5. ***SO No. 3370: Conservation Stewardship and Increasing Public Access to Urban National Wildlife Refuges.***

*Not Applicable*

6. ***SO No. 3372: Reducing Wildfire Risks on Department of the Interior Land Through Active Management.***

*Not Applicable*

7. ***SO No. 3373: Evaluating Public Access in Bureau of Land Management Public Land Disposal and Exchanges (focus is on Sec. 4.b.(3) Potential increased public recreational access to existing public lands resulting from the proposed land acquired through an exchange (acquisition).***

*Not Applicable*

8. ***SO No. 3376: Increasing Recreational Opportunities through the use of Electric Bikes.***

*Not Applicable*

3. Department of the Interior Priorities:

- ***Identifying steps to accelerate responsible development of renewable energy on public lands and waters. We are investing in climate research and environmental innovation to incentivize the rapid deployment of clean energy solutions, while***

*reviewing existing programs to restore balance on America's public lands and waters to benefit current and future generations.*

Not Applicable

- ***Strengthening the government-to-government relationship with sovereign Tribal Nations.*** *We understand that tribal sovereignty and self-governance, as well as honoring the federal trust responsibility to Tribal Nations, must be the cornerstones of federal Indian policy.*

The Spring Mountains National Recreation Area has worked closely with the representatives of the Nuwuvi Working Group on previous SNPLMA projects. Through this work there is a catalog of information available about cultural significance and interpretation. We will continue this work to incorporate this information and guidance into this project, along with continuing to meet with the Nuwuvi Working Group.

- ***Making investments to support the Administration's goal of creating millions of family-supporting and union jobs.*** *This includes establishing a new Climate Conservation Corps Initiative to put a new generation of Americans to work conserving and restoring public lands and waters, increasing reforestation, increasing carbon sequestration in the agricultural sector, protecting biodiversity, improving access to recreation, and addressing the changing climate.*

The various aspects of this project and associated contracts and/or agreement will create jobs and stimulate portions of the economy through trail construction work.

- ***Working to conserve at least 30% each of our lands and waters by the year 2030.*** *We will work to protect biodiversity, slow extinction rates, and help leverage natural climate solutions by conserving 30% of America's lands and waters by 2030. This relies on support for local, state, private, and tribally led conservation and restoration efforts that are underway across America.*

Not Applicable

- ***Centering equity and environmental justice.*** *The impacts of the multiple crises in the United States are not evenly distributed in our society. Communities of color, low-income families, and rural and indigenous communities have long suffered disproportionate and cumulative harm from air pollution, water pollution, and toxic sites. At every step of the way, Interior will engage diverse stakeholders across the country, as well as conduct formal consultation with Tribes in recognition of the U.S. government's trust responsibilities.*

Not Applicable

#### 4. USDA Forest Service Priorities:

- ***Controlling the COVID-19 pandemic***

This project will restore safe access to popular trails on the Spring Mountains National Recreation Area. By providing recreational opportunities outdoors it allows visitor to enjoy and recreate on our public lands while self-distancing and avoiding crowded urban environments.

- ***Providing economic relief***

The various aspects of this project and associated contracts and/or agreement will create jobs and stimulate portions of the economy through trail construction work.

- ***Tackling climate change***

Not Applicable

- ***Advancing racial equity***

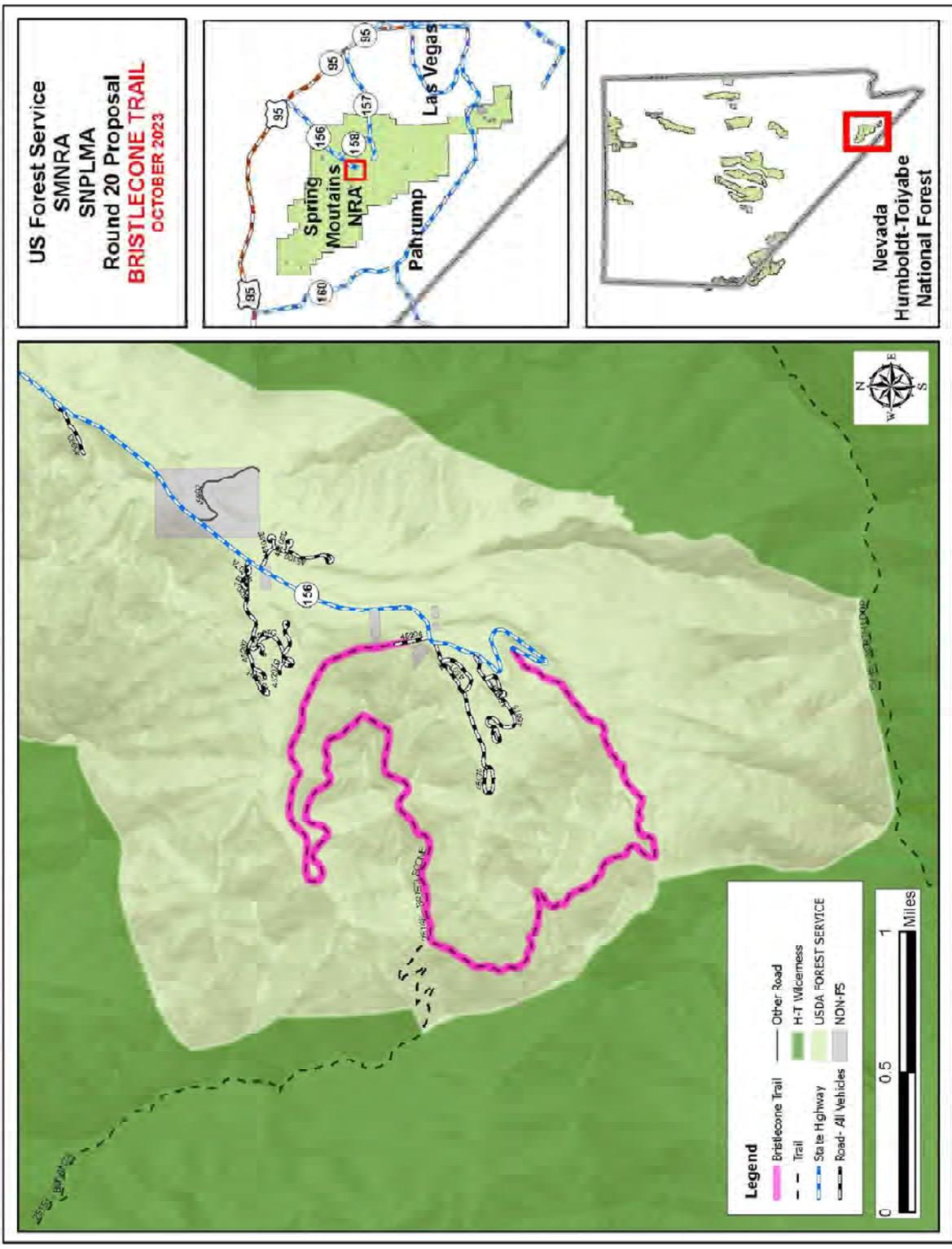
Not Applicable

- ***Improving our workforce and work environment***

Not Applicable

## **M. MAPS**

Maximum of six maps, labeled with a description. Maps must include a scale, title, the author, north arrow, date and time or preparation, and a legend. Insert here and upload maps as JPEG in the Nomination Portal.



Map 1: Map showing Bristlecone Trail and vicinity.

**N. PHOTOS**

Maximum of six photos, up to 20mg each or less. Provide descriptions. Insert here and upload photos as JPEG in the Nomination Portal.



Photo 1: Typical example of severe rutting along trailway on upper portion of the trail.



Photo 2: Typical example of severe rutting along trailway on upper portion of the trail.



Photo 3: Example of complete washout and loss of trailway found post-damage on the upper portion of the Bristlecone Trail.



Photo 4: Example of severe trail damage on lower portion of Bristlecone Trail.



Photo 5: Example of erosion damage along lower portion of the trail.

**SNPLMA ROUND 20 NOMINATION  
Capital Improvements**

**Performance Measures**

<b>SNPLMA FY2020-FY2024 STRATEGIC PLAN GOAL 1: Sustain the Quality of the Outdoor Environment by Conserving, Preserving, and Restoring Natural and Cultural Resources</b>		
<b>Performance Measures for Habitat Enhancement</b>	<b>Definition of Performance Measure</b>	<b>Quantity</b>
H2 - Miles of Riparian Stream or Shoreline Habitat Treated, Enhanced, or Restored	Report the number of miles of riparian stream and/or shoreline vegetation and/or wildlife habitat treated, enhanced, or restored. This can include retreatment and/or maintenance treatments only if the initial treatment was not funded through SNPLMA and the miles have not been accounted for in the performance measures for another SNPLMA project. Include acres treated by fire for resource benefits, but not other types of wildland fire. Do not report treatments targeting invasive vegetation, as those should be reported under the H9 performance measure. Do not report hazardous fuels reduction projects, as those should be reported under either the F1 or F2 performance measures. Report to the nearest whole mile.	0
H3 - Miles of Riparian Stream or Shoreline Habitat Surveyed, Inventoried, or Monitored	Report the number of miles of riparian stream and/or shoreline vegetation and/or wildlife habitat surveyed, inventoried, or monitored. Report to the nearest whole mile.	0
H4 - Acres of Upland Habitat Treated, Enhanced, or Restored	Report the number of acres of upland vegetation and/or wildlife habitat treated, enhanced, or restored. This can include retreatment and/or maintenance treatments only if the initial treatment was not funded through SNPLMA and the acres have not been accounted for in the performance measures for another SNPLMA project. Include acres treated by fire rehabilitation projects or by fire for resource benefits, but not other types of wildland fire. Do not report treatments targeting invasive vegetation, as these should be reported under the H9 performance measure. Do not report hazardous fuels reduction projects, as these should be reported under either the F1 or F2 performance measures. Report to the nearest whole acre.	0
H5 - Acres of Upland Habitat Surveyed, Inventoried, or Monitored	Report the number of acres of upland vegetation and/or wildlife habitat surveyed, inventoried, or monitored. Report to the nearest whole acre.	90
H6 - Acres of Wetland / Riparian Habitat Treated, Enhanced, or Restored	Report the number of acres of wetland vegetation and/or wildlife habitat treated, enhanced, or restored. This can include retreatment and/or maintenance treatments only if the initial treatment was not funded through SNPLMA and the acres have not been accounted for in the performance measures for another SNPLMA project. Include acres treated by fire rehabilitation projects or by fire for resource benefits, but not other types of wildland fire. Do not report treatments targeting invasive vegetation, as these should be reported under the H9 performance measure. Do not report hazardous fuels reduction projects, as these should be reported under either the F1 or F2 performance measures. Report to the nearest whole acre.	0
H7 - Acres of Wetland / Riparian Habitat Surveyed, Inventoried, or Monitored	Report the number of acres of wetland vegetation and/or wildlife habitats inventoried or monitored. Report to the nearest whole acre.	0

H8 - Number of Water Developments Constructed or Improved for Wildlife	Report the number of water developments for use by wildlife constructed or improved/repared within all habitat types. Existing projects may be counted under this performance measure if functional improvements/repairs are made as defined in the project nomination. Report each development constructed or improved as one unit (e.g., one project may have three water developments).	0
H9 - Acres of Invasive Plant Species Treated or Restored	Report the number of acres of weed infestation treated with chemical, mechanical, physical, or biological control agents for the purpose of weed control. Include acres treated by fire when fire is used as a physical control agent for weed control rather than as a hazardous fuels treatment. Each acre treated is counted only once during the life of the project, no matter how many re-treatments occurred during the project. Report to the nearest whole acre.	10
H10 - Acres of Invasive Plant Species Surveyed, Inventoried, or Monitored	Report the number of acres of weed infestation inventoried or monitored. Include monitoring of weed treatment projects reported under performance measure H9. Report to the nearest whole acre.	10
H14 - Number of Threatened and Endangered Species Recovery Actions Implemented	Report the number of individual recovery actions performed for threatened or endangered species recovery as identified in recovery plans, conservation management plans, or land use planning documents. Include surveys, inventories, and monitoring as recovery actions. Note: One distinct action repeated 5 times over the course of the project would report as 1 action, not 5. The same recovery action conducted at distinct sites can be counted once for each site (this does not apply to individual plots within one single project site). The number of acres over which the actions were taken are reported under either H4 or H6. Report each action as one unit.	1
H15- Number of Conservation Actions Implemented for Non-Listed Species	Report the number of individual conservation actions for species not listed under the Endangered Species Act. Note: One distinct action repeated 5 times over the course of the project would report as 1 action, not 5. The same conservation action conducted at distinct sites can be counted once for each site (this does not apply to individual plots within one single project site). The number of acres over which the actions were taken are reported under either H4 or H6. Report each action as one unit.	0
H16 - Miles of Roads or Trails Decommissioned and/or rehabilitated	Report the number of miles of roads and/or trails decommissioned and/or rehabilitated within all habitats (urban, upland, riparian, stream, trails in caves, etc.). Closure may include designation, signing, blockage by physical means, obliteration, etc. Report to the nearest whole mile.	2
H17 – Miles of Roads or Trails Surveyed, Inventoried, or Monitored	Report the number of miles of roads and/or trails inventoried or monitored. Report to the nearest whole mile or linear foot. Report to the nearest whole mile.	10
<b>Performance Measures for Cultural / Paleontological Resources</b>	<b>Definition of Performance Measures</b>	<b>Quantity</b>
C1 - Number of Cultural or Historic Sites or Structures Stabilized or Protected	Report the number (one unit for each site or each structure) where work is completed to protect, stabilize, restore, excavate, and/or manage cultural features. For sites receiving multiple treatments, count each site only once, but if multiple structures are on a site, count each structure separately. For example an archeological dig site would be counted as one although multiple excavations may take place on the site, whereas a site having remnants of three separate dwellings would be counted as three. Report installation of interpretive signs and structures (e.g., kiosk displays) under O6. Report administrative actions such as mineral withdrawals, closures, or special designations under H1. Report each site or structure as one unit.	0

C2 - Number of Cultural or Paleontological Artifacts Protected	Report the number of cultural and/or paleontological artifacts protected, stabilized, or catalogued. Report one unit for each repatriation or transfer of custody of Native American human remains, funerary objects, sacred objects, and/or objects of cultural patrimony (cultural items) held in collections, pursuant to Title 43 CFR Part 10.10.; each instance in which all requirements of Title 43 CFR Part 10.10 have been met but where actual repatriation has not been completed because of decisions made by lineal descendants or Indian tribes or lack of a valid claim; and reburial of repatriated cultural items on BLM public lands. Report the number of accessions cataloged, inventoried, rehoused and/or otherwise upgraded. Materials from several sites or localities that are accessioned and cataloged under a single accession number should be considered one unit. An accession for which any one or more of the tasks of cataloging, inventorying or upgrading has been completed should be reported as one unit. Report each artifact as one unit.	0
C3 - Acres of Cultural / Paleontological Resources Surveyed, Inventoried or Monitored	Report the number of acres of land surveyed, inventoried, or monitored for cultural and/or paleontological resources. Include acres surveyed using Class I study of existing information inventory, Class II probabilistic field survey, or Class III intensive field survey and resultant inventory as required by Section 14 of the Archaeological Resources Protection Act (ARPA) or Section 110 of the National Historic Preservation Act (NHPA). Report to the nearest whole acre.	90

<b>SNPLMA FY2020-FY2024 STRATEGIC PLAN GOAL 2: Improve the Quality of Life for all Publics in Urban and Rural Communities by Enhancing Recreational Opportunities that Connect People with the Outdoor Environment</b>		
<b>Performance Measures for Recreation Management</b>	<b>Definition of Performance Measures</b>	<b>Quantity</b>
R3- Number of New Recreational Facilities / Structures Constructed or Improved	Report the number of new recreational buildings, structures, park amenities, or similar facilities constructed or improved. Existing recreational facilities may be counted under this performance measure if functional improvements are made as defined in the project nomination. Include shade shelters, picnic areas, playgrounds, arenas, amphitheaters, pedestrian bridges, etc. Do not report acres of land acquired for new parks or natural areas as this should be reported under performance measure R5 or R6. Report each facility or structure as one unit.	2
R4- Miles of New Recreational Roads / Trails Constructed or Routes Improved	Report the number of miles of new recreational roads and/or trails constructed or improved. Restoration of existing roads and/or trails may be counted under this performance measure if functional improvements are made as defined in the project nomination. Report to the nearest whole mile.	5

<b>SNPLMA FY2020-FY2024 STRATEGIC PLAN:            Other Performance Measures that Also Support the Three Values for SNPLMA Implementation            of Sustainability, Connectivity, and Community</b>		
<b>Other Performance            Measures</b>	<b>Definition of Performance Measures</b>	<b>Quantity</b>
O1 - Number of Hazardous Sites Remediated	Report the number of hazardous sites where remediation actions are completed. Actions to be included are: removal of safety hazards, clean-up operations, restoration actions, and water quality remediation actions. Do not report temporary remediation measures. Report each site as one unit. When applicable, also report total weight of trash removed during clean-up operations.	0
O2 – Number of Buildings, Facilities and/or Amenities Constructed or Refurbished	Report the number of buildings, facilities, or amenities constructed or refurbished to improve access, functionality and/or health and safety for employees and the public, or to facilitate the integrity of resource values. Include cross walks, park/trail lighting, fencing, barriers, retaining walls, weirs, signing, security cameras, etc. Report each building, facility or amenity as one unit.	2
O6 - Number of New Interpretive or Education Publications/Signs/ Kiosks/Displays/etc. Produced	Report the number of new interpretive or education publications produced, signs produced and installed, public informational websites or other electronic media presentations designed and implemented, and informational or interpretive kiosk displays produced and installed. Report each item produced as one unit.	2
O8 – Buildings or Facilities that Support Green Sustainable Design and Construction	Report the percent reduction in the carbon footprint accomplished through green design, water conservation, energy independence, etc. Report the Leed certification level (silver, gold, platinum), if applicable. Report each building or facility as one unit.	0
O9 – Number of GIS Databases Generated and/or Map Layers Produced	Report the number of GIS databases created and/or the number of map layers produced to identify the location of natural resources within the environment and provide mapping for use in educational programs. Report each database or map layer as one unit.	1
O10 – Number of Volunteers Used	Report the number of volunteers used in educational or interpretive programs and for surveying, monitoring, or restoration activities. Report each volunteer as one unit.	15
O11 – Number of Databases, Reports, and Other Electronic Means of Documenting Activities	Report the number of new databases, electronic reporting tools, mathematical/statistical models, websites, or reports developed and implemented to document project and/or program work. Report each electronic document or method developed as one unit.	0
O12 – Number of Management Plans/Handbooks/Manuals/ Guides for Activity on Public Lands Completed (formerly under H11, F3, C4, and R1)*	Report the number of new or revised ecosystem restoration, hazardous fuels reduction, recreation, cultural, resource management, or other activity plans when the decision document for the plan is signed. Revisions include modification of a significant portion of the decisions in the activity plan. Do not report minor amendments or changes in these plans. Report each plan as one unit.	0

**\*Note:**

Performance Measures H11, F3, C4, and R1, from original list were generalized and combined into new Performance Measure, O12.

**Glossary**

**Accession** – One or more objects and/or specimens acquired in the same manner from one source at one time for the museum property collection. Accessioning is the process of formally accepting and establishing permanent legal title (ownership) and/or custody for an object or specimen or group of objects and/or specimens. An accession can

consist of materials and associated archives from a single site or fossil locality, or materials from several sites or fossil localities.

**Biological Treatments** – Treatment of vegetation using domestic animals, insects, etc.

**Chemical Treatments** – Treatment of vegetation with herbicides, etc.

**Inventory** – Collection and analysis of baseline information; counting number of a given species, cultural feature, etc.

**Mechanical Treatments** – Treatments using hand or motorized tools for mowing, chaining, ripping, thinning, seeding, etc.

**Monitoring** – Establishment of current status and/or trends in environmental variables

**Riparian Habitat** – Riparian habitat includes the interface between upland habitat and a river, stream, or lake, regardless of whether it is intermittent or perennial. Riparian habitats are characterized by vegetation adapted to growing in water or saturated soils. Includes riparian woodlands, forests, buffer zones, or strips.

**Survey** – Observing an area to determine if a species or resource exists after which an inventory may or may not be performed.

**Upland Habitat** – Upland habitats include Mojave desert, grassland, shrub lands, pinyon juniper forests, and woodland sites.

**Wetland Habitat** – Wetlands are saturated areas, either permanently or seasonally, with characteristic vegetation adapted to its unique soil conditions.

Instructions: Put project cost estimates in Tabs 1-8. The values from those tabs will roll-up to this summary worksheet. The Non-Federal Contribution can be entered in Tabs 1-8 as a whole amount, it does not need to be broken out by unit cost.

**PROJECT BUDGET**

<b>Project Name:</b>	Bristlecone Trail Reconstruction	<b>Date:</b>	10/30/2023
<b>Project Manager:</b>	Randy Kyes	<b>Agency:</b>	FS - SMNRA
<b>Cost Categories</b>		<b>SNPLMA</b>	<b>Non-Federal Contribution</b>
1. Personnel (labor plus benefits)		\$ 630,450.00	\$ -
2. Travel		\$ 90,000.00	\$ -
3. Training		\$ -	\$ -
4. Equipment		\$ 35,000.00	\$ -
5. Supplies/Materials		\$ 228,300.00	\$ -
6. Contracts and/or Agreements		\$ 2,175,000.00	\$ 9,540.00
7. Vehicle Use		\$ 106,400.00	\$ -
8. Other Necessary Expenses		\$ 4,000.00	\$ -
<b>9. TOTAL PROJECT BUDGET</b>		<b>\$ 3,269,150.00</b>	<b>\$ 9,540.00</b>

Notes:

## 1. PERSONNEL

Include labor costs for all aspects of project implementation where agency labor will perform the work, e.g. planning and environmental documentation, section 106 compliance, labor to perform implementation, project management, interdisciplinary team (ID team), engineering, etc. Labor expense documentation must correlate the individual labor expense with the deliverable, task, or subtask. Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total labor costs.

Description of Role	Unit	Unit of Measure	Unit Cost	SNPLMA	Non-Federal Contribution
Project Manager - planning, execution, monitoring, controlling, reporting, and closeout of project	225	Days	\$ 550	\$ 123,750	\$ -
Engineer - Design, Contract Preparation, Implementation	150	Days	\$ 450	\$ 67,500	\$ -
Wildlife Biologist - Consultation	40	Days	\$ 350	\$ 14,000	\$ -
Wildlife Biologist - Biological Evaluation	30	Days	\$ 350	\$ 10,500	\$ -
Botanist - Biological Evaluation	25	Days	\$ 350	\$ 8,750	\$ -
Natural Resources Tech GS-7 - Monitoring Plants/McBB	40	Days	\$ 195	\$ 7,800	\$ -
GS7 NR Tech	50	Days	\$ 195	\$ 9,750	\$ -
GS6 NR Tech	40	Days	\$ 175	\$ 7,000	\$ -
GS5 NR Tech	40	Days	\$ 165	\$ 6,600	\$ -
GS4 NR Tech	40	Days	\$ 155	\$ 6,200	\$ -
Archeologist - SHPO consultation, report prep/review	20	Days	\$ 350	\$ 7,000	\$ -
Archeology Technician - cultural surveys	40	Days	\$ 250	\$ 10,000	\$ -
Invasive Species Plan Tech (GS7) - treatment of invasive plant	30	Days	\$ 195	\$ 5,850	\$ -
Recreation Technician (Trails) - Design, GPS	125	Days	\$ 250	\$ 31,250	\$ -
GIS Specialist - GIS and Map Preparation	20	Days	\$ 350	\$ 7,000	\$ -
Recreation Officer - IDT Member, site inspections	90	Days	\$ 350	\$ 31,500	\$ -
Hydrologist - IDT Member	30	Days	\$ 350	\$ 10,500	\$ -
Fuels/Fire Specialist	15	Days	\$ 350	\$ 5,250	\$ -
Contracting Officer (CO)	75	Days	\$ 500	\$ 37,500	\$ -
Contracting Officer Representative (COR)	125	Days	\$ 450	\$ 56,250	\$ -
Project Inspector (other than contracted PI)	60	Days	\$ 350	\$ 21,000	\$ -
Public Affairs Specialist - news releases, social media, website	20	Days	\$ 450	\$ 9,000	\$ -
Budget Officer - budget related duties	30	Days	\$ 500	\$ 15,000	\$ -
Forest SNPLMA Program Admin	100	Days	\$ 450	\$ 45,000	\$ -
Law Enforcement Officer or Forest Protection Officer	100	Days	\$ 450	\$ 45,000	\$ -
NEPA Specialist - planning and compliance	90	Days	\$ 350	\$ 31,500	\$ -

<b>Total</b>	<b>\$ 630,450</b>	<b>\$ -</b>
--------------	-------------------	-------------

**2. TRAVEL**

Travel expenses must make a direct and logical contribution to the project's purpose and deliverables (including tasks and subtasks, as appropriate). Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total travel costs.

Description of Travel and Purpose	Unit	Unit of Measure	Unit Cost	SNPLMA	Non-Federal Contribution
Travel and per diem, Engineering	10	Trip	\$ 1,500	\$ 15,000	\$ -
Travel and per diem, Contracting Officer and COR	15	Trip	\$ 1,500	\$ 22,500	\$ -
Travel and per diem, Project Manager	10	Trip	\$ 1,500.00	\$ 15,000	\$ -
Travel and per diem, Trails Specialist	25	Trip	\$ 1,500.00	\$ 37,500	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -

Total	\$	90,000	\$	-
-------	----	--------	----	---

### 3. TRAINING

Training expenses must make a direct and logical contribution to the project's purpose and deliverables (including tasks and subtasks, as appropriate). Example, contracting officer representative or program officer/assistance agreement training, training for chainsaw use, training for pesticide application, visual resource management, etc. Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total training costs.

Description of Role	Unit	Unit of Measure	Unit Cost	SNPLMA	Non-Federal Contribution
	0	Each	\$ -	\$ -	\$ -
	0	Each	\$ -	\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -

<b>Total</b>	\$	-	\$	-
--------------	----	---	----	---



### 5. SUPPLIES AND MATERIALS

Supplies and materials necessary to complete the project. Supplies/materials must make a direct and logical contribution to the project's purpose and deliverables (including tasks and subtasks, as appropriate). Supplies/materials must be the minimum amount necessary to accomplish the project; purchasing extra supplies/materials to "stock the cache" for post project management activities is prohibited. Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total equipment costs.

Description of Role	Unit	Unit of Measure	Unit Cost	SNPLMA	Non-Federal Contribution
Trail Signs	30	Each	\$ 400	\$ 12,000	\$ -
Kiosks	2	Each	\$ 7,500	\$ 15,000	\$ -
Native seed for restoration	60	Pounds	\$ 150	\$ 9,000	\$ -
Steel Jack Fence materials for resource protection	1	Each	\$ 120,000	\$ 120,000	\$ -
Interpretative materials for new kiosks	2	Each	\$ 1,500	\$ 3,000	\$ -
Picnic tables/benches	10	Each	\$ 2,250	\$ 22,500	\$ -
Trail Counters	4	each	\$ 450	\$ 1,800	\$ -
Large boulders for TH resource protection	25	each	\$ 600	\$ 15,000	\$ -
Vehicle gate - lower TH resource protection	1	Each	\$ 30,000	\$ 30,000	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -

<b>Total</b>	\$ 228,300	\$ -
--------------	------------	------

**6. CONTRACTS AND AGREEMENTS**

Contracts and/or agreements (grants, cooperative agreements, assistance agreements, stewardship agreements, interlocal or state agreements, etc.) necessary to implement the project's purpose and deliverables (including tasks and subtasks, as appropriate). Extra or more robust documentation may be necessary if the contract and/or agreement is for multiple projects (e.g. a Master Agreement or CESU agreement). Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total grant and agreements used to implement the project.

Description of Role	Unit	Unit of Measure	Unit Cost	Subtotal	Non-Federal Contribution
Contract for construction, trail reconstruction, realignment and fencing	1	Job	\$ 1,400,000	\$ 1,400,000	\$ -
Agreement for restoration and seeding work on abandoned trail sections	1	Job	\$ 150,000	\$ 150,000	\$ -
Contract for NEPA services for trail realignment	1	Job	\$ 200,000	\$ 200,000	\$ -
Agreement for biological and cultural surveys	1	Job	\$ 200,000	\$ 200,000	\$ -
Contract specification development	1	Job	\$ 11,000	\$ 11,000	\$ -
Contract development, solicitation, award	1	Job	\$ 6,500	\$ 6,500	\$ -
Contractor mobilization	1	Job	\$ 115,000	\$ 115,000	\$ -
Construction closeout and lien release	1	Job	\$ 12,500	\$ 12,500	\$ -
Agreements for Volunteer Support - Trail Monitoring, Sign Installation, Education/Outreach (100hr/yr for 3 years); SNC, SMYC	300	Hrs	\$ 32	\$ -	\$ 9,540.00
Contract for install of vault toilet at upper Trailhead	1	Job	\$ 80,000	\$ 80,000	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -

<b>Total</b>	<b>\$ 2,175,000</b>	<b>\$ 9,540</b>
--------------	---------------------	-----------------

### 7. VEHICLE USE

Use of an agency/entity vehicle, purchase of a new vehicle, rental of vehicle, or any other vehicle use not covered under Equipment. If possible, use the agency/entity fixed operation rate (FOR) multiplied by the unit (miles or hours) over the life of the project. The FOR includes depreciation and wear and tear on the vehicle tires, wiper blades, routine vehicle maintenance, etc. If special tires or replacement tires or other vehicle equipment is necessary, please show it under "Equipment." Vehicle expenses must make a direct and logical contribution to the project's purpose and deliverables (including tasks and subtasks, as appropriate). Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total vehicle use to implement the project.

Description of Role	Unit	Unit of Measure	Unit Cost	Subtotal	Non-Federal Contribution
Vehicle for Project Manager Monthly Cost (rental summer months)	20	Months	\$ 1,950	\$ 39,000	\$ -
Vehicle for Project Manager Mileage	12000	Miles	\$ 1	\$ 7,200	\$ -
Vehicle for Wildlife/Botany Mileage	3000	Miles	\$ 1	\$ 1,800	\$ -
Vehicle for Archeology Mileage	2000	Miles	\$ 1	\$ 1,200	\$ -
Vehicle for Engineering Mileage	4000	Miles	\$ 1	\$ 2,400	\$ -
Vehicle for Recreation Technician Mileage	3500	Miles	\$ 1	\$ 2,100	\$ -
Vehicle for COR Mileage	4500	Miles	\$ 1	\$ 2,700	\$ -
Heavy equipment costs not included in contract	1	Each	\$ 50,000	\$ 50,000	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -

<b>Total</b>	<b>\$ 106,400</b>	<b>\$ -</b>
--------------	-------------------	-------------

**8. OTHER NECESSARY EXPENSES**

Other Necessary Expenses are time and materials necessary for project implementation but are not specific to any one deliverable (including tasks and subtasks, as appropriate). If you included the labor, equipment, and/or supplies and materials in the other sheets, do not include them here. Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total other necessary expenses to implement the project. This is not a complete list. Contact the SNPLMA Division for guidance on other necessary expenses.

Description of Role	Unit	Unit of Measure	Unit Cost	Subtotal	Non-Federal Contribution
Newspaper Ads/Legal Notices	5	Each	\$ 200	\$ 1,000	\$ -
Misc. Office Supplies	1	Each	\$ 2,500	\$ 2,500	\$ -
SNPLMA Sign/plaque	1	Hours	\$ 500	\$ 500	\$ -
		Hours		\$ -	\$ -
		Hours		\$ -	\$ -
		Hours		\$ -	\$ -
		each/month		\$ -	\$ -
		each		\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -

<b>Total</b>	<b>\$</b>	<b>4,000</b>	<b>\$</b>	<b>-</b>
--------------	-----------	--------------	-----------	----------

**SNPLMA Round 20  
Capital Improvements Project Addendum**

**Nomination:** Tab 2

**Entity:** U.S. Forest Service, Humboldt-Toiyabe National Forest,  
Spring Mountains National Recreation Area

**Project:** Cathedral Rock Trail Reconstruction

**Remarks/Clarifications Needed:**

**Section C – Purpose Statement:**

1. This is a list of tasks. The Purpose Statement should be a 1-2 sentence statement defining Who, What, Where, Why, not “How”

**Section D - Project Deliverables-Primary:**

1. All of the Primary Deliverables need quantifiers (i.e. define appx acres, number of miles, etc, in order to help determine completion).
2. Bullet #4 “Restore abandoned sections of trail following realignment to discourage continued use and protect natural resources” is more an Anticipated Deliverable since FS does not know the if/amount/extent of the 'abandoned sections' until the initial survey/realignment is done.

**Section D – Project Deliverables-Anticipated:**

1. Bullet #1 “Improve visitor satisfaction and recreation opportunities” is a desired outcome not a task.
2. Bullet #3 “Provide educational maps and other information, to include updating the Forest Service website and social media sites and partner websites to amplify educational messaging.”

**This needs clarification/quantification, what ‘other information’? Is FS creating new maps? New brochures? How many appx postings on FS website? Appx how many on ‘partner’ websites?**

**Section K – Ranking Criteria:**

1. **Criteria #5 LIFECYCLE REPLACEMENT/RECONSTRUCTION AND DEFERRED MAINTENANCE**

Nomination does not qualify for points under this criterion, as it states “*Does not include reconstruction, changes, or new amenities for previously approved SNPLMA capital improvement projects. This nomination is a reconstruction of a past SNPLMA project, “Cathedral Rock Trail, Overlook and Parking Improvements” (Project #FS25, SNPLMA Priority #5-14)*”

### **Section M – Maps:**

1. Only 1 map submitted. Unsure if this is supposed to cover all the type of maps requested (Agency Area, Connectivity, Community, and Sustainability) since there is no description(s), the map only states, “Cathedral Rock Trail and Vicinity”.

### **Performance Measures:**

1. H9 Acres of Invasive Plant Species Treated or Restored 20 acres - Nomination does not mention any weed/invasive plant species treatment/control.
2. R4 Miles of New Recreational Roads/Trails Constructed or Routes Improved 5 miles – Nomination states there is 1.5 miles of trail, need clarification on what/where the other 3.5 miles are.
3. O2 Number of Buildings, Facilities and/or Amenities Constructed or Refurbished 20 items – Nomination mentions vault toilet and retaining wall, need clarification on what the other 18 items are.

### **Budget - Excel Spreadsheet:**

#### **Personnel Tab**

- \$40,500 for “Contracting Officer Representative (COR)”. Project Manager is usually responsible for being the COR also, rather than a separate person.
- \$3,900 for “Invasive Species Plan Tech (GS7) - treatment of invasive plants”. Weed treatment is not in the Nomination.
- \$33,750 for “Law Enforcement Officer or Forest Protection Officer”. Law Enforcement/patrols are not in the Nomination, is this the ‘visitor monitoring and interaction’?”

#### **Travel Tab**

- \$67,500 for travel and per diem for Engineer, COR, Project Manager, CO, and Trails specialist. Clarification needed what these trips are for/from where?

#### **Equipment Tab**

- \$25,000 for “Equipment repairs not included in contracts”. If contractor is doing the work, they are responsible for repairs.

#### **Supplies & Materials Tab**

- \$8,000 for “Stencils, paint, painting equipment, etc.”. Need clarification on what these items are for.

#### **Contracts and Agreements Tab**

- \$11,000 for “Contract specification development”. What is this for? Wouldn't this already fall within the Project Manager/CO/COR's personnel time in Tab 1?
- \$6,500 for “Contract development, solicitation, award”. What is this for? Wouldn't this already fall within the Project Manager/CO/COR's personnel time in Tab 1?
- \$12,500 for “Construction closeout and lien release”. What is this for? Wouldn't this already fall within the Project Manager/CO/COR's personnel time in Tab 1?

**Vehicle Use Tab**

- \$2,100 for “Vehicle for COR Mileage”. COR is usually the Project Manager which has \$7,200 allocated for his/her mileage.
- \$50,000 for “Heavy equipment costs not included in contract”. If contractor is doing the work, they are responsible for repairs.

**Southern Nevada Public Land Management Act  
Capital Improvements  
Round 20**

**USDA Forest Service  
Humboldt-Toiyabe National Forest  
Spring Mountains National Recreation Area**



**Cathedral Rock Trail Reconstruction**

**Amount Requested: \$1,993,725**

## A. BACKGROUND INFORMATION

The Spring Mountains National Recreation Area (SMNRA) is one of the primary outdoor recreation destinations for the Las Vegas metropolitan area due to accessibility and cooler temperatures in the summer, and snow play recreation opportunities in the winter. The Spring Mountains are also considered the place of creation for the Nuwu/Nuwuvi (a group of seven Southern Paiute Tribes) and the center of their ancestral territory. Since the area's original design in the 1920-30's, the Las Vegas metropolitan area has grown from under 9,000 to 2.6 million people, with 42.5 million visitors annually. The SMNRA is Southern Nevada's place to escape the heat in the summer and recreate in the snow for winter.

The Cathedral Rock Trail, located in Kyle Canyon, is one of the most highly used non-motorized trails on the SMNRA. The Cathedral Rock Trail was originally developed by the Civilian Conservation Corps (CCC) along an old road that follows an avalanche chute that was used to access a historic spring system and pipes that once supplied the Town of Mount Charleston and Forest Service permitted recreation residences with water. This out and back trail is approximately 1.5 miles in length, open to hiker/pedestrian use, and can be accessed from the paved Cathedral Rock Trailhead near the end of Kyle Canyon Road.

In late-August 2023, the Cathedral Rock Trail suffered significant damage due to Tropical Storm Hilary, which impacted the Spring Mountains. The tropical storm delivered upwards of 8 to 10 inches of rain in only a matter of hours, leading to significant flooding and debris flows across the Spring Mountains, especially within the Kyle and Lee Canyon areas. Post-storm damage assessments of trails, conducted by Forest Service staff and partners, discovered significant damage to multiple trails across the SMNRA, to include the Cathedral Rock Trail. This trail also provides connectivity to the Little Falls Connector Trail which in turn connects with the Echo Falls Trail.

Currently, the Cathedral Rock Trail is generally intact for the first 0.2 miles from the trailhead beginning point (trail mile 0.0). After this point there is heavy rutting, washouts, and rough trail for approximately 0.7 miles up to the avalanche chute at trail mile 0.9, with much of the trailway non-existent. At the avalanche chute (trail mile 0.9) there is now a washout 17 feet across and 6 to 10 feet deep; previously, this location was level and consistent with the trailway. Beyond this point the trail is again intact and passable, outside of a couple of downed trees. Given the location of this trail, there are not many options for reroutes and the wash at the avalanche chute cannot be circumvented due to the slope/terrain. Additionally, an approximately 5-foot high by 30-foot-long wood retaining wall structure, located on the trail past the avalanche chute section (approximately trail mile 1.0), was further damaged due to the storm impacts and is in need of complete replacement to maintain trail integrity. There are also numerous unofficial "social trails" in the Cathedral Rock area that could be considered for improvement and adoption into the official trail system or restoration.

This project will sustainably reconstruct, reroute, and improve the Cathedral Rock Trail, trailhead, nearby social trails, and associated infrastructure. Recreation use in this area will continue to increase. Proper analysis, design, reconstruction, and education are needed to preserve natural resources and recreational experiences. Analysis of the area will have numerous

benefits, such as opportunities for expanded recreation including ADA/ABA accessible amenities, creating a sustainable and low maintenance trail and trailhead facilities, protect resources, and enhance visitor experience. Though the impetus for the timing of this project is the flood damage, the project will allow the Forest Service to improve access to the trail and trailhead, potentially connect existing trails through the addition of new segments, rehabilitate social trails, and appropriately accommodate the increased visitor demand. Long-term trail maintenance will be accomplished by the collaboration of the Forest Service and our long-established volunteer partners and collaborators, ensuring a quality recreational experience for future generation.

**a. Describe Relationship to Prior Approved Projects and/or Phases Relevant to this Project (SNPLMA funded or not), and any anticipated Future Phases**

Cathedral Rock Trail, Overlook and Parking Improvements (Project #FS25, SNPLMA Priority #5-14)

**b. Acknowledgement of Stand-Alone Project and no Guarantee of Funding for Future Phases**

This project is a stand-alone project with no future phases.

## **B. EXECUTIVE COMMITTEE'S SNPLMA STRATEGIC PLAN VALUES**

Capital Improvement projects have two goals identified in the Strategic Plan:

- Goal 1: Sustain the quality of the outdoor environment by conserving, preserving, and restoring natural and cultural resources.
- Goal 2: Improve the quality of life for all publics in urban and rural communities by enhancing recreational opportunities that connect people with the outdoor environment.

Nominated projects should meet these two goals by focusing on the three SNPLMA core values, connectivity, sustainability, and community. Every nomination must explain how the three values are promoted by the project.

- **Connectivity**

The project provides recreational opportunities that link population centers, recreation facilities, and the user to the outdoors and natural landscapes. It encourages people to meaningfully connect with their natural environment, thus helping them appreciate and care for the environment. The project will also connect the user to the history and/or cultural of the site and engages the user in appreciation of the site/area.

- Restore recreational opportunity and access on the Cathedral Rock Trail on the Spring Mountains National Recreation Area by reestablishing and reconstructing the trail following significant storm damage from Tropical Storm Hilary.
- Inventory social trails in the Cathedral rock area and determine if trails can be improved and adopted into the official trail system creating additional connectivity, or restore unwanted social trails to reduce impact on resources.

- Educate visitors regarding the recreational opportunities and natural resources through the use of kiosks, maps, social media sites and the Forest Service website.
- **Sustainability**  
The project supports conservation, preservation, restoration, or modernization of natural, cultural, or historic resources (which includes infrastructure) to ensure availability of those resources for future generations. The project will remain relevant and continue to provide benefit to a recreation user over the anticipated life of the project.
  - Reestablish and reconstruct (or realign) the Cathedral Rock Trail which received significant storm damage and is currently unsafe for public access.
  - Improve trailhead facilities and analyze social trails to provide increased access to the public and create sustainable and low maintenance trail and trailhead facilities.
  - Educate visitors regarding recreational opportunities and the natural and cultural resources in the area through the use of kiosks, maps, social media, and the Forest Service website.
- **Community**  
This project provides or improves outdoor recreation opportunities to improve the quality of life, especially for underserved communities. It conserves or restores the functionality, resiliency, and integrity of biological communities. The project encourages partnerships, which in turn builds community.
  - Reestablish and reconstruct (or realign) the Cathedral Rock Trail which received significant storm damage and is currently unsafe for public access.
  - Provide improved amenities at the Cathedral Rock Trailhead, including improvements in accessibility, providing greater recreation opportunities.

## C. PURPOSE STATEMENT

The Humboldt-Toiyabe National Forest, Spring Mountains National Recreation Area (SMNRA) will improve sustainable outdoor recreation, significantly improve visitor safety, and restore visitor access to the popular Cathedral Rock Trail by:

- Reconstruct and realign the Cathedral Rock Trail to Forest Service standards.
- Improve the existing trailhead infrastructure to allow for greater access and use.
- Survey the authorized and unauthorized trails in the area to determine appropriate areas to potentially expand the trail system and areas to engage in restoration work.
- Install educational and informational kiosks, trail directional signing, and fencing as needed.
- Increase educational outreach and trail stewardship, including visitor monitoring and interaction.
- Restore abandoned sections of trail following rebuild and/or realignment to discourage continued use and protect natural resources.
- Engage visitors with public education and outreach during the process.
- GPS and map the reconstructed trails.

- Provide educational maps and other information, to include updating the Forest Service website and social media sites and partner websites to amplify educational messaging.

The project area is approximately 25 miles northwest of Las Vegas, within the Humboldt-Toiyabe National Forest. This area is easily accessed via Nevada State Highway 157, as shown on the enclosed maps.

## **D. PROJECT DELIVERABLES**

### Primary:

- Reconstruct and/or reroute the Cathedral Rock Trail to Forest Service standards.
- Repair and/or replace retaining walls.
- Survey the authorized and unauthorized trails in the area to determine appropriate areas to potentially expand the trail system and areas to engage in restoration work.
- Restore abandoned sections of trail following rebuild and/or realignment to discourage continued use and protect natural resources.
- Improve existing trailhead infrastructure to allow for greater access and use, such as picnic tables, trash receptacles, and parking lot/trailhead improvements.
- Install educational and informational kiosks, trail directional signing, visitor/trail counters, and fencing as needed.
- Increase educational outreach and trail stewardship, including visitor monitoring and interaction.

### Anticipated:

- Improve visitor satisfaction and recreation opportunities.
- GPS and map the reconstructed trails.
- Provide educational maps and other information, to include updating the Forest Service website and social media sites and partner websites to amplify educational messaging.

### Standard:

- Complete required inventories, site assessments, and cultural assessment within the project area as required.
- Complete environmental planning process including: NEPA analysis and decision, minimum requirements analysis, SHPO consultation, Tribal consultation, coordination, etc.
- Coordination with the SNPLMA Program Managers.
  - Development of the project workplan, site inspection and project initiation.
  - SMART quarterly status updates.
  - SMART quarterly expenditures/obligations updates.
  - SMART annual and final accomplishment reports.
  - Preparation of the close out package is a required standard deliverable.

## **E. PROJECT LOCATION**

### **Identify County in Nevada where Project will be carried out:**

Clark County

**Identify Congressional District(s):**

Nevada District 4 (NV-4)

**Latitude and Longitude:**

36.250459, -115.650137

**F. PROJECT TIMEFRAME**

The Project Lead will coordinate the overall implementation of the project, track accomplishments, and report out on those accomplishments. Forest engineers will provide assistance in planning and design, as well as construction activities. The project will occur over a 5-year (60-month) time period with anticipated benchmarks:

**Year 1**

- Complete work plans and funding authorization.
- Begin planning, design, and compliance documentation.
- Begin and complete necessary survey work.
- Begin SHPO consultation.
- Prepare news releases notifying the public about plans for the project.
- Coordination with the County, Tribal Governments and other interested groups.
- Preparation of contract(s) and/or agreements.

**Year 2**

- Complete planning, design, and compliance documentation.
- Complete SHPO consultation.
- Solicitation and award of contract(s) for trail reconstruction and realignment.
- Continue to prepare news releases notifying the public about plans and activities for the project.
- Purchase materials for fencing, retaining wall replacement, etc.
- Coordination meetings with the County, Tribal Governments and other interested groups throughout the project, as required.

**Year 3**

- Begin reconstruction/rerouting of the Cathedral Rock Trail, trailhead, bathrooms, and associated infrastructure.
- Begin and complete installation of new retaining wall(s).
- Improve social trails determined to be added to the official trail system to meet Forest Service trail standards.
- Continue to prepare news releases notifying the public about project activities.
- Coordination meetings with the County, Tribal Governments and other interested groups throughout the project, as required.

**Year 4**

- Complete reconstruction/rerouting of the Cathedral Rock Trail, trailhead, bathrooms, and associated infrastructure.
- Complete restoration of undesirable social trails and abandoned trail sections due to realignment, if necessary.
- Complete installation of kiosks, signing, etc.
- Continue to prepare news releases notifying the public about trail reconstruction activities.
- Coordination meetings with the County, Tribal Governments and other interested groups throughout the project, as required.
- GPS and map all reconstructed, rerouted, or new trails.

### Year 5

- Update the Forest web and social media sites with details, maps, photos and descriptions of the reconstructed trails.
- Complete final accomplishments/close-out reports and the public news releases prepared.

## **G. LEVEL OF PROJECT READINESS FOR IMPLEMENTATION**

Is this a shovel-ready project? Yes No

- The Humboldt-Toiyabe National Forest plan to contract and utilize in-house agency services for this project. The Forest Service has the necessary skills and resources to complete the project within the standard period of performance for capital improvement projects.
  - Engineering and design will be done with a combination of Forest Service staff and contracts.
  - If a realignment is required, additional NEPA will be necessary and resource surveys would need to be completed.
  - Replacement of the failing retaining wall will require completion of a minimum requirements analysis.
  - Updated cultural surveys may be necessary depending upon reconstruction or realignment due to historic nature of the trail. Coordination and consultation with SHPO will also be required.
  - Trail reroute/reconstruction, fencing, and installation of retaining wall will be completed using contracts and/or agreements.
  - Installation of kiosks, signing, etc. will be completed using agency personnel, agreements, and/or contracts.

Have you applied, received, or is there the opportunity to obtain funding from another source for this project? Please list the additional funding opportunities received or applied for and indicate whether it is federal or nonfederal funding.

Not Applicable

## **H. FUTURE OPERATING AND MAINTENANCE**

The anticipated lifecycle of the project will be approximately 30 to 40 years, with the intent of trail design to be a sustainable corridor that can last indefinitely with basic maintenance, barring unforeseen natural events. The annual operations and maintenance costs for the Cathedral Rock Trail would be reduced slightly due to the proposed replacement of the failing wood retaining wall structure with an upgraded, stronger Sutter-type wall, as the existing retaining wall requires yearly maintenance and repair to maintain integrity. Without this project, access to one of the most popular trails on the SMNRA will be reduced significantly and we will almost surely have more trail and resource degradation, coinciding with growing visitor dissatisfaction.

Operations and maintenance costs will involve some appropriated dollars and recreation special uses fee dollars, with significant contributions from volunteers and partnerships to maintain this trail. Most operations and maintenance for the Cathedral Rock Trail are completed using volunteers and through partnerships with organizations like the Southern Nevada Conservancy, Spring Mountains Youth Camp, Friends of Nevada Wilderness, and Back Country Horsemen.

## **I. PROJECT BUDGET**

Complete the project budget using the provided Excel spreadsheet template and upload as a separate document to the “Submissions” tab in the Nomination Portal. Do not embed the project budget in this document.

### Partnership and/or Contributed Funds

Partners, including Southern Nevada Conservancy, Friends of Nevada Wilderness, and Spring Mountain Youth Camp will provide agreement and volunteer support with trail monitoring, sign installation, and education/outreach. Estimated 100 hours per year for 3 years, for a total of 300 hours at the current volunteer rate of \$31.80 per hour (\$9,540).

## **J. KEY CONTACTS**

Authorized Officer: Deborah MacNeill, Area Manager, Humboldt-Toiyabe National Forest,  
Spring Mountains National Recreation Area  
Email: [deborah.macneill@usda.gov](mailto:deborah.macneill@usda.gov)  
Phone Number: 702-515-5488

Project Manager: Randy Kyes, Recreation, Heritage, and Wilderness Staff Officer, Humboldt-Toiyabe National Forest, Supervisor’s Office  
Email: [randy.kyes@usda.gov](mailto:randy.kyes@usda.gov)  
Phone Number: 775-527-1391

Budget Officer: Petersam (Sam) Le, Forest Budget Officer, Humboldt-Toiyabe National Forest,  
Supervisor’s Office  
Email: [petersam.le@usda.gov](mailto:petersam.le@usda.gov)  
Phone Number: 775-300-1739

## K. RANKING CRITERIA

The Ranking Criteria are used to evaluate the nomination against the goals for the Capital Improvements category. Nominating entities are not to include either the total point value or the point values by criteria in their responses. Nominations will be reviewed and scored by the Capital Improvements subgroup. Explain how the project meets each applicable criterion.

1. **SUSTAINABILITY & MODERNIZATION:** The project supports, or plans to support, conservation, preservation, restoration, or modernization of natural, cultural, or historic resources (which includes infrastructure) to ensure availability of those resources for future generations. The agency has shown the project is feasible and will remain relevant and continue to provide benefit to a recreation user over the anticipated life of the project. Clearly explain what the anticipated design life of the project is and identify what and how the natural resources will be sustained.

*A. A new project or facility, or planning for a new project or facility, including employee housing, designed specifically to engender conservation stewardship and provide new opportunities within the management area that is ecologically, economically, and socially sustainable for present and future generations and restore or preserve natural resources or cultural resources of the area. Directly supports the conservation and stewardship of natural and cultural resources.*

Answer: **Not Applicable**

*B. Modernization or rehabilitation, or planning for the modernization or rehabilitation, of an existing project, facility and/or amenities to enhance the visitor experience, improve unit operations, and reduce or eliminate user impacts to the natural or cultural resources, or restore natural processes within the immediate project area.*

Answer: **This project seeks to reestablish access and improve the recreational experience by reconstructing the Tropical Storm Hilary damaged Cathedral Rock Trail, while also improving trailhead amenities. By reestablishing sustainable access to this trail, the Forest is optimistic this effort will live on for generations.**

- **This project will restore access to the highly popular Cathedral Rock Trail which is no longer safe for use following significant storm damage.**
- **The reconstructed and/or realigned trail will provide a safe and sustainable trail for recreational use.**
- **The project would improve trailhead facilities by opportunities for expanded recreation including ADA/ABA accessible areas, creating a sustainable and low maintenance trail and trailhead facilities, protect resources, and enhance visitor experience.**
- **This project will protect natural resources by improving trail design to reduce impacts such as erosion. Additionally, the project would analyze social trails in the area for potential addition to the trail system or restoration of disused sections of trail to discourage use.**

- **Information provided at kiosks, on maps and on the Forest Service website and social media sites will educate visitors regarding the recreational opportunities and the natural resources in the area.**
- **Increased educational outreach and trail stewardship, including visitor monitoring and interaction, would provide direct education to the public and allow for better management of visitor use and facilities.**

*C. Planning of, or conservation and stabilization, restoration, or rehabilitation of, significant historic buildings, cultural sites, and other significant historic facilities for the present and future generations to enjoy and appreciate the areas cultural heritage.*

Answer: **Not Applicable**

*D. New facilities, or planning for a new facility, that enhances or improves management of public lands. These might include visitor centers, contact stations, and campgrounds to improve public access; housing for staff, interns, and volunteers to carry out programs for improved conservation, education; and curation facilities and workspace to improve conservation of natural and cultural resources and opportunity for educational programming.*

Answer: **Not Applicable**

2. **CONNECTIVITY:** The project provides, or plans to provide, recreational opportunities that link population centers, recreation facilities, and the user to the outdoors and natural landscapes. It encourages people to meaningfully connect with their natural environment, thus helping them appreciate and care for the environment. The project will also connect the user to the history and/or cultural of the site and engages the user in appreciation of the site/area.

*A. Provides, or plans to provide, new, upgraded, or modernized feasible access and/or amenities or infrastructure to previously under-served areas and/or new opportunities to enjoy/appreciate public lands (e.g., trails, kiosks with location maps and site information, roads, parking, way-finding, restrooms, day use or overnight camping).*

Answer: **This project reconstructs and realigns the popular, high-use Cathedral Rock Trail on the Spring Mountains National Recreation Area, in addition to analyzing improvement of trailhead facilities and amenities at Cathedral Rock. It would reestablish and improve recreation access in a safe and sustainable manner.**

- **Reconstruction and realignment of the trail would reestablish recreational opportunities in a safe and sustainable manner. Currently, the trail poses a concern to both public safety and natural resources.**
- **Reconstruction of the trail will also reestablish connectivity to other trails in the area which intersect, allowing greater recreational opportunities.**
- **Improvement to Cathedral Rock trailhead facilities and amenities would provide opportunities for expanded recreation including ADA/ABA**

accessible areas, creating a sustainable and low maintenance trailhead, protect resources, and enhance visitor experience

- Installation of signs and updated information on the web.

B. *Improves, or plans to improve, access to previously developed recreation areas and sites on public lands and/or rehabilitates, upgrades, or modernizes site amenities (e.g., improves access to trails, area or site information and way-finding, converts high clearance access roads to passenger vehicle accessible roads, and/or improves parking).*

Answer: **This project reconstructs and realigns the popular, high-use Cathedral Rock Trail on the Spring Mountains National Recreation Area, in addition to analyzing improvement of trailhead facilities and amenities at Cathedral Rock. It would reestablish and improve recreation access in a safe and sustainable manner.**

- **Reconstruction and realignment of the trail would reestablish recreational opportunities in a safe and sustainable manner. Currently, the trail poses a concern to both public safety and natural resources.**
- **Reconstruction of the trail will also reestablish connectivity to other trails in the area which intersect, allowing greater recreational opportunities.**
- **Improvement to Cathedral Rock trailhead facilities and amenities would provide opportunities for expanded recreation including ADA/ABA accessible areas, creating a sustainable and low maintenance trailhead, protect resources, and enhance visitor experience.**
- **Installation of signs and updated information on the web.**

C. *Provides, or plans to provide, new or additional recreation opportunities by connecting two or more existing recreational facilities/areas or cultural sites, and increased access to primitive or developed outdoor recreation and educational opportunities to meet increased user demand.*

Answer: **Not Applicable**

D. *Contains an outreach and education or stewardship component to improve public awareness and engage the public in the conservation and protection of the surrounding natural environment through the use of resource interpretation (e.g., information signage, kiosks, on-site docent accommodations, educational programs, restoration, revegetation, invasive species removal, cultural site protection).*

Answer: **Information provided at kiosks, on maps and on the Forest Service website and social media sites will educate visitors regarding the recreational opportunities, natural and cultural resources. Increased educational outreach and trail stewardship, including visitor monitoring and interaction, would provide direct education to the public and allow for better management of visitor use and facilities.**

3. **COMMUNITY:** The project provides, or plans to provide, or improves outdoor

recreation opportunities to improve the quality of life, especially for underserved communities. It conserves or restores, or plans to conserve or restore, the functionality, resiliency, and integrity of biological communities, and/or addresses affordable employee housing. The project encourages partnerships, which in turn builds community.  
(*Encourages and engages the public in the conservation and protection of the surrounding natural environment through use of volunteer/stewardship resources*)

- A. *Outdoor recreation projects that provide, or plans to provide, economic benefits to local communities and social benefit to the recreationist and are responsive to changing demographics. The project has demonstrated feasibility and has agreements or partnerships in place for the planning, design, implementation, and/or management of the project.*

Answer:

- **The Spring Mountains National Recreation Area has strong partnerships with groups like Southern Nevada Conservancy, Spring Mountains Youth Camp, Back Country Horsemen, and Friends of Nevada Wilderness. These partners play an integral part in assisting the Forest Service with trail maintenance and education activities. Existing agreements are in place for support and these partners would be involved in the long-term operations and maintenance of the Cathedral Rock Trail and associated facilities.**
- **The Cathedral Rock Trail is highly popular with both tourists and southern Nevada locals from a wide range of demographics due to ease of access, trailhead parking, etc. Reestablishing recreation access to this trail and improving amenities at the trailhead would provide social and economic benefit to the local community.**

- B. *Project has identified committed non-SNPLMA sources of funding or in-kind contribution for the planning, design, and development of the project.*

Answer: **Not Applicable**

- C. *Project provides agency or unit support/administrative infrastructure in underserved areas to improve management of, conservation stewardship, educational programming, and access to, public lands.*

Answer: **Not Applicable**

- D. *Supports, or plans to support, community through affordable employee housing to promote economic development, enhance the quality of life, and improve the productivity and management of public lands.*

Answer: **Not Applicable**

4. **OPERATIONS AND MAINTENANCE:** The agency has clearly demonstrated that the

anticipated operations and maintenance costs for the project and resources necessary to operate the project are within existing appropriations or demonstrated how they will secure the necessary operations and maintenance funds. *(Agency has detailed the estimated annual O&M costs, estimated use, and permit fees to be collected, if applicable.)*

- A. *The agency has demonstrated that the project is feasible and current appropriations are sufficient for the operations and management of the new project or that O&M costs will be reduced after reconstruction and will be offset by concessionaire or volunteer labor for O&M.*

**Answer: The Agency will utilize a mix of appropriated funds, recreation special uses fees, volunteers, and partners to operate and maintain the trail. For many years, the SMNRA has worked with Southern Nevada Conservancy, Spring Mountains Youth Camp, Friends of Nevada Wilderness, and Back Country Horsemen on completing maintenance on trails. Additionally, the trails would be rebuilt to sustainable standards, a significant reduction in operations and maintenance costs can be achieved by allowing the area to be maintained by volunteers, partners, and SMNRA staff as part of their regular duties.**

- B. *Volunteers or partners will be responsible for operation and maintenance of the project and agency funds will not be needed.*

**Answer: The Agency will utilize a mix of appropriated funds, recreation special uses fees, volunteers, and partners to operate and maintain the trail system. For many years, the SMNRA has worked with Southern Nevada Conservancy, Spring Mountains Youth Camp, Friends of Nevada Wilderness, and Back Country Horsemen on completing maintenance on trails.**

- C. *The agency has included the current O&M costs, if any, and how this project will reduce current operations and maintenance costs. The entity has clearly shown what the anticipated savings will be, and/or how the project will reduce water use or energy costs for utilities or other O&M costs.*

**Answer: Not Applicable**

- D. *Project would improve, or plans to improve, energy efficiency and/or independence.*

**Answer: Not Applicable**

5. **LIFECYCLE REPLACEMENT/RECONSTRUCTION AND DEFERRED MAINTENANCE:** Any existing project or facility that has met or exceeded its useful life, design life, or life cycle that requires major restoration or reconstruction, or plans for major restoration or reconstruction, to restore the historic fabric of the facility or meet standard new Federal accessibility guidelines. *(Does not include reconstruction, changes, or new amenities for previously approved SNPLMA capital improvement projects.*

*Excludes projects that were identified as phased construction, each phase must be fully operational and serve the intended purpose upon completion.)*

- A. *The project remains relevant, but has exceeded its useful design life, does not meet current federal accessibility standards, or deferred maintenance costs exceed the cost of replacement or reconstruction.*

**Answer: As a result of substantial damage from Tropical Storm Hilary in August 2023, a significant section of the Cathedral Rock Trail is no longer safe for recreational users. This project is crucial if we want to maintain recreational opportunities on this highly popular trail into the future. Due to historic storm damage, this trail has exceeded its design life and reconstruction will extend the useful life of the trail an additional 30-40 years or more, with routine maintenance due to sustainable design. Additionally, existing trailhead facilities are inadequate to meet the growing needs of recreational use in a sustainable manner. This project would analyze improving accessibility at the trailhead and provide additional recreation opportunities.**

- B. *Current use has exceeded the original planned visitation/use and impacts have created a need to replace or reconstruct, or plans to replace or reconstruct, the facility earlier than originally intended and increased deferred maintenance costs exceed the cost of replacement or reconstruction. The project proposal shows the current annual maintenance costs and the anticipated savings after construction/reconstruction is complete.*

Answer: **Not Applicable**

## **L. ORDERS AND PRIORITIES**

Respond to the Executive Orders, Secretarial Orders, Department of the Interior Priorities, and USDA Forest Service Priorities as they apply to the purpose of the nomination.

1. Executive Orders (EO):

0. ***EO No. 13855: Promoting Active Management of America's Forests, Range Lands to Improve Conditions and Reduce Wildfire Risk***

Not Applicable

1. ***EO No. 14004: Ensuring the Future is Made in All of America by All of America's Workers***

Not Applicable

- ***EO No. 14063: Use of Project Labor Agreements for Federal Construction Projects (applicable to projects estimated at \$35 million or more)***

Not Applicable

- ***EO No. 14072: Strengthening the Nation's Forests, Communities, and Local Economies***

The various aspects of this project and associated contracts and/or agreement will create jobs and stimulate portions of the economy through trail construction work.

- ***EO No. 14096: Revitalizing Our Nation's Commitment to Environmental Justice for All***

This project would restore and improve recreational access to one of the most popular and highly used trails and trailhead facilities on the SMNRA. The Cathedral Rock Trail is short in hiking distance and is easily accessed via a paved state highway and fully developed trailhead, which this project proposes to improve, which allow for greater public access to all citizens and visitors.

## 2. Secretarial Orders

### 1. ***SO No. 3347: Conservation Stewardship and Outdoor Recreation.***

This project will reestablish recreation access to the high-use, popular Cathedral Rock Trail on the SMNRA which was significantly damaged by Tropical Storm Hilary. It also proposes to analyze social trail for potential improvement into official trail or restoration to inhibit use. Additional, trailhead improvement would increase long-term sustainability and access.

### 2. ***SO No. 3356: Hunting, Fishing, Recreational Shooting, and Wildlife Conservation Opportunities and Coordination with States, Tribes and Territories.***

*Not Applicable*

### 3. ***SO No. 3362: Improving Habitat Quality in Western Big-Game Winter Range and Migration Corridors.***

*Not Applicable*

### 4. ***SO No. 3366: Increasing Recreational Opportunities on Lands and Waters Managed by the U.S. Department of the Interior***

*Not Applicable*

### 5. ***SO No. 3370: Conservation Stewardship and Increasing Public Access to Urban National Wildlife Refuges.***

*Not Applicable*

6. ***SO No. 3372: Reducing Wildfire Risks on Department of the Interior Land Through Active Management.***

*Not Applicable*

7. ***SO No. 3373: Evaluating Public Access in Bureau of Land Management Public Land Disposal and Exchanges (focus is on Sec. 4.b.(3) Potential increased public recreational access to existing public lands resulting from the proposed land acquired through an exchange (acquisition).***

*Not Applicable*

8. ***SO No. 3376: Increasing Recreational Opportunities through the use of Electric Bikes.***

*Not Applicable*

3. Department of the Interior Priorities:

- ***Identifying steps to accelerate responsible development of renewable energy on public lands and waters.*** *We are investing in climate research and environmental innovation to incentivize the rapid deployment of clean energy solutions, while reviewing existing programs to restore balance on America's public lands and waters to benefit current and future generations.*

*Not Applicable*

- ***Strengthening the government-to-government relationship with sovereign Tribal Nations.*** *We understand that tribal sovereignty and self-governance, as well as honoring the federal trust responsibility to Tribal Nations, must be the cornerstones of federal Indian policy.*

The Spring Mountains National Recreation Area has worked closely with the representatives of the Nuwuvi Working Group on previous SNPLMA projects. Through this work there is a catalog of information available about cultural significance and interpretation. We will continue this work to incorporate this information and guidance into this project, along with continuing to meet with the Nuwuvi Working Group.

- ***Making investments to support the Administration's goal of creating millions of family-supporting and union jobs.*** *This includes establishing a new Climate Conservation Corps Initiative to put a new generation of Americans to work conserving and restoring public lands and waters, increasing reforestation, increasing carbon sequestration in the agricultural sector, protecting biodiversity, improving access to recreation, and addressing the changing climate.*

The various aspects of this project and associated contracts and/or agreement will create jobs and stimulate portions of the economy through trail construction work.

- ***Working to conserve at least 30% each of our lands and waters by the year 2030.*** *We will work to protect biodiversity, slow extinction rates, and help leverage natural climate solutions by conserving 30% of America's lands and waters by 2030. This relies on support for local, state, private, and tribally led conservation and restoration efforts that are underway across America.*

Not Applicable

- ***Centering equity and environmental justice.*** *The impacts of the multiple crises in the United States are not evenly distributed in our society. Communities of color, low-income families, and rural and indigenous communities have long suffered disproportionate and cumulative harm from air pollution, water pollution, and toxic sites. At every step of the way, Interior will engage diverse stakeholders across the country, as well as conduct formal consultation with Tribes in recognition of the U.S. government's trust responsibilities.*

Not Applicable

#### 4. USDA Forest Service Priorities:

- ***Controlling the COVID-19 pandemic***

This project will restore safe and sustainable access to a popular trail and trailhead facility on the Spring Mountains National Recreation Area. By providing recreational opportunities outdoors it allows visitor to enjoy and recreate on our public lands while self-distancing and avoiding crowded urban environments.

- ***Providing economic relief***

The various aspects of this project and associated contracts and/or agreement will create jobs and stimulate portions of the economy through trail construction work.

- ***Tackling climate change***

Not applicable.

- ***Advancing racial equity***

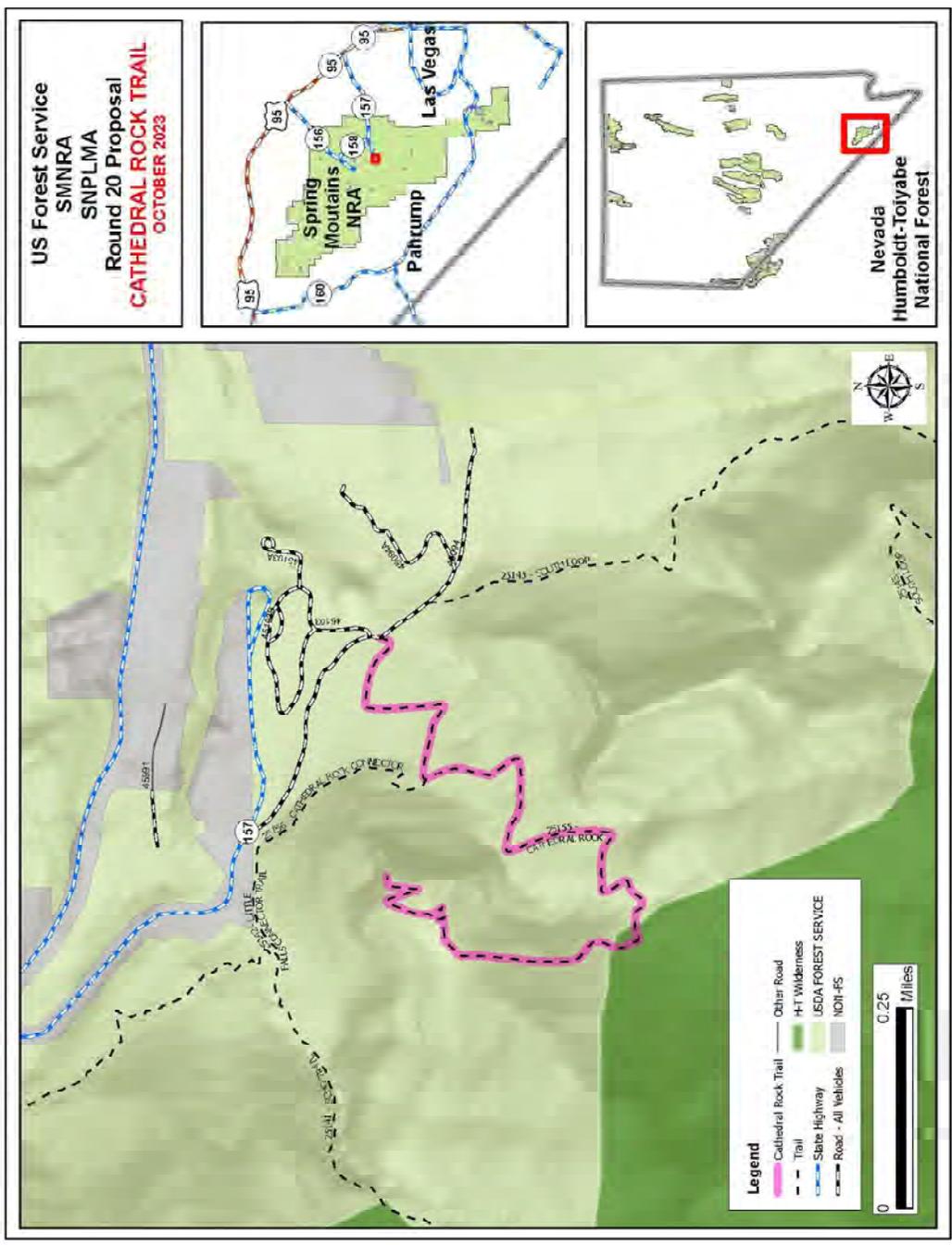
Not Applicable

- ***Improving our workforce and work environment***

Not Applicable

**M. MAPS**

Maximum of six maps, labeled with a description. Maps must include a scale, title, the author, north arrow, date and time or preparation, and a legend. Insert here and upload maps as JPEG in the Nomination Portal.



Map 1: Cathedral Rock Trail and vicinity.

## N. PHOTOS

Maximum of six photos, up to 20mg each or less. Provide descriptions. Insert here and upload photos as JPEG in the Nomination Portal.

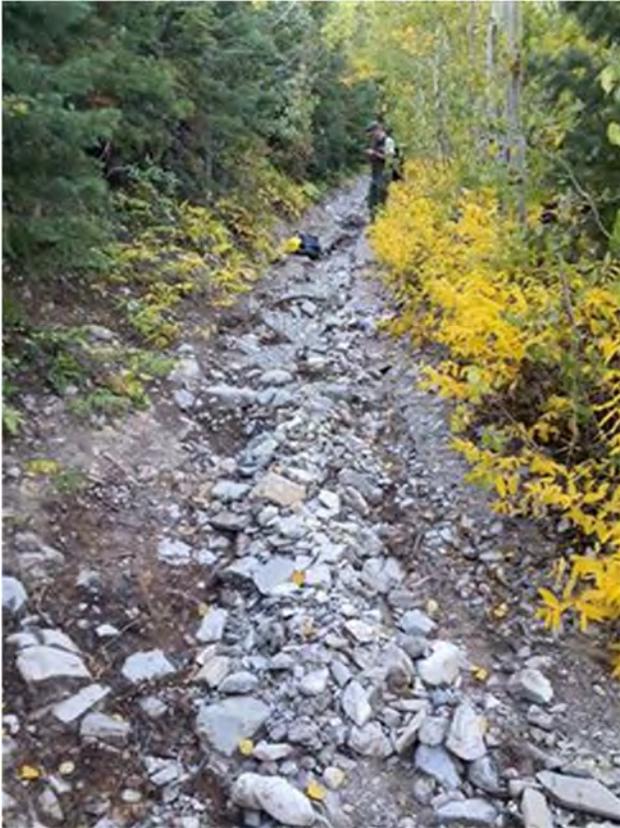


Photo 1: Typical trail damage between trail mile 0.2 and 0.9.



Photo 2: Typical trail damage between trail mile 0.2 and 0.9.



Photo 3: Significant trail damage (complete loss of trailway) at trail mile 0.9.



Photo 4: Significant trail damage (complete loss of trailway) at trail mile 0.9.



Photo 5: Failing retaining wall along trail at approximately trail mile 1.0.

**SNPLMA ROUND 20 NOMINATION  
Capital Improvements**

**Performance Measures**

<b>SNPLMA FY2020-FY2024 STRATEGIC PLAN GOAL 1: Sustain the Quality of the Outdoor Environment by Conserving, Preserving, and Restoring Natural and Cultural Resources</b>		
<b>Performance Measures for Habitat Enhancement</b>	<b>Definition of Performance Measure</b>	<b>Quantity</b>
H2 - Miles of Riparian Stream or Shoreline Habitat Treated, Enhanced, or Restored	Report the number of miles of riparian stream and/or shoreline vegetation and/or wildlife habitat treated, enhanced, or restored. This can include retreatment and/or maintenance treatments only if the initial treatment was not funded through SNPLMA and the miles have not been accounted for in the performance measures for another SNPLMA project. Include acres treated by fire for resource benefits, but not other types of wildland fire. Do not report treatments targeting invasive vegetation, as those should be reported under the H9 performance measure. Do not report hazardous fuels reduction projects, as those should be reported under either the F1 or F2 performance measures. Report to the nearest whole mile.	0
H3 - Miles of Riparian Stream or Shoreline Habitat Surveyed, Inventoried, or Monitored	Report the number of miles of riparian stream and/or shoreline vegetation and/or wildlife habitat surveyed, inventoried, or monitored. Report to the nearest whole mile.	0
H4 - Acres of Upland Habitat Treated, Enhanced, or Restored	Report the number of acres of upland vegetation and/or wildlife habitat treated, enhanced, or restored. This can include retreatment and/or maintenance treatments only if the initial treatment was not funded through SNPLMA and the acres have not been accounted for in the performance measures for another SNPLMA project. Include acres treated by fire rehabilitation projects or by fire for resource benefits, but not other types of wildland fire. Do not report treatments targeting invasive vegetation, as these should be reported under the H9 performance measure. Do not report hazardous fuels reduction projects, as these should be reported under either the F1 or F2 performance measures. Report to the nearest whole acre.	0
H5 - Acres of Upland Habitat Surveyed, Inventoried, or Monitored	Report the number of acres of upland vegetation and/or wildlife habitat surveyed, inventoried, or monitored. Report to the nearest whole acre.	20
H6 - Acres of Wetland / Riparian Habitat Treated, Enhanced, or Restored	Report the number of acres of wetland vegetation and/or wildlife habitat treated, enhanced, or restored. This can include retreatment and/or maintenance treatments only if the initial treatment was not funded through SNPLMA and the acres have not been accounted for in the performance measures for another SNPLMA project. Include acres treated by fire rehabilitation projects or by fire for resource benefits, but not other types of wildland fire. Do not report treatments targeting invasive vegetation, as these should be reported under the H9 performance measure. Do not report hazardous fuels reduction projects, as these should be reported under either the F1 or F2 performance measures. Report to the nearest whole acre.	0
H7 - Acres of Wetland / Riparian Habitat Surveyed, Inventoried, or Monitored	Report the number of acres of wetland vegetation and/or wildlife habitats inventoried or monitored. Report to the nearest whole acre.	0

H8 - Number of Water Developments Constructed or Improved for Wildlife	Report the number of water developments for use by wildlife constructed or improved/repared within all habitat types. Existing projects may be counted under this performance measure if functional improvements/repairs are made as defined in the project nomination. Report each development constructed or improved as one unit (e.g., one project may have three water developments).	0
H9 - Acres of Invasive Plant Species Treated or Restored	Report the number of acres of weed infestation treated with chemical, mechanical, physical, or biological control agents for the purpose of weed control. Include acres treated by fire when fire is used as a physical control agent for weed control rather than as a hazardous fuels treatment. Each acre treated is counted only once during the life of the project, no matter how many re-treatments occurred during the project. Report to the nearest whole acre.	20
H10 - Acres of Invasive Plant Species Surveyed, Inventoried, or Monitored	Report the number of acres of weed infestation inventoried or monitored. Include monitoring of weed treatment projects reported under performance measure H9. Report to the nearest whole acre.	20
H14 - Number of Threatened and Endangered Species Recovery Actions Implemented	Report the number of individual recovery actions performed for threatened or endangered species recovery as identified in recovery plans, conservation management plans, or land use planning documents. Include surveys, inventories, and monitoring as recovery actions. Note: One distinct action repeated 5 times over the course of the project would report as 1 action, not 5. The same recovery action conducted at distinct sites can be counted once for each site (this does not apply to individual plots within one single project site). The number of acres over which the actions were taken are reported under either H4 or H6. Report each action as one unit.	0
H15- Number of Conservation Actions Implemented for Non-Listed Species	Report the number of individual conservation actions for species not listed under the Endangered Species Act. Note: One distinct action repeated 5 times over the course of the project would report as 1 action, not 5. The same conservation action conducted at distinct sites can be counted once for each site (this does not apply to individual plots within one single project site).The number of acres over which the actions were taken are reported under either H4 or H6. Report each action as one unit.	0
H16 - Miles of Roads or Trails Decommissioned and/or rehabilitated	Report the number of miles of roads and/or trails decommissioned and/or rehabilitated within all habitats (urban, upland, riparian, stream, trails in caves, etc.). Closure may include designation, signing, blockage by physical means, obliteration, etc. Report to the nearest whole mile.	0
H17 – Miles of Roads or Trails Surveyed, Inventoried, or Monitored	Report the number of miles of roads and/or trails inventoried or monitored. Report to the nearest whole mile or linear foot. Report to the nearest whole mile.	10
<b>Performance Measures for Cultural / Paleontological Resources</b>	<b>Definition of Performance Measures</b>	<b>Quantity</b>
C1 - Number of Cultural or Historic Sites or Structures Stabilized or Protected	Report the number (one unit for each site or each structure) where work is completed to protect, stabilize, restore, excavate, and/or manage cultural features. For sites receiving multiple treatments, count each site only once, but if multiple structures are on a site, count each structure separately. For example an archeological dig site would be counted as one although multiple excavations may take place on the site, whereas a site having remnants of three separate dwellings would be counted as three. Report installation of interpretive signs and structures (e.g., kiosk displays) under O6. Report administrative actions such as mineral withdrawals, closures, or special designations under H1. Report each site or structure as one unit.	0

C2 - Number of Cultural or Paleontological Artifacts Protected	Report the number of cultural and/or paleontological artifacts protected, stabilized, or catalogued. Report one unit for each repatriation or transfer of custody of Native American human remains, funerary objects, sacred objects, and/or objects of cultural patrimony (cultural items) held in collections, pursuant to Title 43 CFR Part 10.10.; each instance in which all requirements of Title 43 CFR Part 10.10 have been met but where actual repatriation has not been completed because of decisions made by lineal descendants or Indian tribes or lack of a valid claim; and reburial of repatriated cultural items on BLM public lands. Report the number of accessions cataloged, inventoried, rehoused and/or otherwise upgraded. Materials from several sites or localities that are accessioned and cataloged under a single accession number should be considered one unit. An accession for which any one or more of the tasks of cataloging, inventorying or upgrading has been completed should be reported as one unit. Report each artifact as one unit.	0
C3 - Acres of Cultural / Paleontological Resources Surveyed, Inventoried or Monitored	Report the number of acres of land surveyed, inventoried, or monitored for cultural and/or paleontological resources. Include acres surveyed using Class I study of existing information inventory, Class II probabilistic field survey, or Class III intensive field survey and resultant inventory as required by Section 14 of the Archaeological Resources Protection Act (ARPA) or Section 110 of the National Historic Preservation Act (NHPA). Report to the nearest whole acre.	20

<b>SNPLMA FY2020-FY2024 STRATEGIC PLAN GOAL 2:            Improve the Quality of Life for all Publics in Urban and Rural Communities by Enhancing Recreational Opportunities that Connect People with the Outdoor Environment</b>		
<b>Performance Measures for Recreation Management</b>	<b>Definition of Performance Measures</b>	<b>Quantity</b>
R3- Number of New Recreational Facilities / Structures Constructed or Improved	Report the number of new recreational buildings, structures, park amenities, or similar facilities constructed or improved. Existing recreational facilities may be counted under this performance measure if functional improvements are made as defined in the project nomination. Include shade shelters, picnic areas, playgrounds, arenas, amphitheaters, pedestrian bridges, etc. Do not report acres of land acquired for new parks or natural areas as this should be reported under performance measure R5 or R6. Report each facility or structure as one unit.	1
R4- Miles of New Recreational Roads / Trails Constructed or Routes Improved	Report the number of miles of new recreational roads and/or trails constructed or improved. Restoration of existing roads and/or trails may be counted under this performance measure if functional improvements are made as defined in the project nomination. Report to the nearest whole mile.	5

<b>SNPLMA FY2020-FY2024 STRATEGIC PLAN:            Other Performance Measures that Also Support the Three Values for SNPLMA Implementation            of Sustainability, Connectivity, and Community</b>		
<b>Other Performance            Measures</b>	<b>Definition of Performance Measures</b>	<b>Quantity</b>
O1 - Number of Hazardous Sites Remediated	Report the number of hazardous sites where remediation actions are completed. Actions to be included are: removal of safety hazards, clean-up operations, restoration actions, and water quality remediation actions. Do not report temporary remediation measures. Report each site as one unit. When applicable, also report total weight of trash removed during clean-up operations.	0
O2 – Number of Buildings, Facilities and/or Amenities Constructed or Refurbished	Report the number of buildings, facilities, or amenities constructed or refurbished to improve access, functionality and/or health and safety for employees and the public, or to facilitate the integrity of resource values. Include cross walks, park/trail lighting, fencing, barriers, retaining walls, weirs, signing, security cameras, etc. Report each building, facility or amenity as one unit.	20
O6 - Number of New Interpretive or Education Publications/Signs/ Kiosks/Displays/etc. Produced	Report the number of new interpretive or education publications produced, signs produced and installed, public informational websites or other electronic media presentations designed and implemented, and informational or interpretive kiosk displays produced and installed. Report each item produced as one unit.	4
O8 – Buildings or Facilities that Support Green Sustainable Design and Construction	Report the percent reduction in the carbon footprint accomplished through green design, water conservation, energy independence, etc. Report the Leed certification level (silver, gold, platinum), if applicable. Report each building or facility as one unit.	0
O9 – Number of GIS Databases Generated and/or Map Layers Produced	Report the number of GIS databases created and/or the number of map layers produced to identify the location of natural resources within the environment and provide mapping for use in educational programs. Report each database or map layer as one unit.	1
O10 – Number of Volunteers Used	Report the number of volunteers used in educational or interpretive programs and for surveying, monitoring, or restoration activities. Report each volunteer as one unit.	0
O11 – Number of Databases, Reports, and Other Electronic Means of Documenting Activities	Report the number of new databases, electronic reporting tools, mathematical/statistical models, websites, or reports developed and implemented to document project and/or program work. Report each electronic document or method developed as one unit.	0
O12 – Number of Management Plans/Handbooks/Manuals/ Guides for Activity on Public Lands Completed (formerly under H11, F3, C4, and R1)*	Report the number of new or revised ecosystem restoration, hazardous fuels reduction, recreation, cultural, resource management, or other activity plans when the decision document for the plan is signed. Revisions include modification of a significant portion of the decisions in the activity plan. Do not report minor amendments or changes in these plans. Report each plan as one unit.	0

**\*Note:**

Performance Measures H11, F3, C4, and R1, from original list were generalized and combined into new Performance Measure, O12.

**Glossary**

**Accession** – One or more objects and/or specimens acquired in the same manner from one source at one time for the museum property collection. Accessioning is the process of formally accepting and establishing permanent legal title (ownership) and/or custody for an object or specimen or group of objects and/or specimens. An accession can

consist of materials and associated archives from a single site or fossil locality, or materials from several sites or fossil localities.

**Biological Treatments** – Treatment of vegetation using domestic animals, insects, etc.

**Chemical Treatments** – Treatment of vegetation with herbicides, etc.

**Inventory** – Collection and analysis of baseline information; counting number of a given species, cultural feature, etc.

**Mechanical Treatments** – Treatments using hand or motorized tools for mowing, chaining, ripping, thinning, seeding, etc.

**Monitoring** – Establishment of current status and/or trends in environmental variables

**Riparian Habitat** – Riparian habitat includes the interface between upland habitat and a river, stream, or lake, regardless of whether it is intermittent or perennial. Riparian habitats are characterized by vegetation adapted to growing in water or saturated soils. Includes riparian woodlands, forests, buffer zones, or strips.

**Survey** – Observing an area to determine if a species or resource exists after which an inventory may or may not be performed.

**Upland Habitat** – Upland habitats include Mojave desert, grassland, shrub lands, pinyon juniper forests, and woodland sites.

**Wetland Habitat** – Wetlands are saturated areas, either permanently or seasonally, with characteristic vegetation adapted to its unique soil conditions.

Instructions: Put project cost estimates in Tabs 1-8. The values from those tabs will roll-up to this summary worksheet. The Non-Federal Contribution can be entered in Tabs 1-8 as a whole amount, it does not need to be broken out by unit cost.

**PROJECT BUDGET**

<b>Project Name:</b>	Cathedral Rock Trail Reconstruction	<b>Date:</b>	11/05/2023
<b>Project Manager:</b>	Randy Kyes	<b>Agency:</b>	FS - SMNRA
<b>Cost Categories</b>		<b>SNPLMA</b>	<b>Non-Federal Contribution</b>
1. Personnel (labor plus benefits)		\$ 478,075.00	\$ -
2. Travel		\$ 67,500.00	\$ -
3. Training		\$ -	\$ -
4. Equipment		\$ 35,000.00	\$ -
5. Supplies/Materials		\$ 163,850.00	\$ -
6. Contracts and/or Agreements		\$ 1,145,000.00	\$ 9,540.00
7. Vehicle Use		\$ 101,300.00	\$ -
8. Other Necessary Expenses		\$ 3,000.00	\$ -
<b>9. TOTAL PROJECT BUDGET</b>		<b>\$ 1,993,725.00</b>	<b>\$ 9,540.00</b>

Notes:

## 1. PERSONNEL

Include labor costs for all aspects of project implementation where agency labor will perform the work, e.g. planning and environmental documentation, section 106 compliance, labor to perform implementation, project management, interdisciplinary team (ID team), engineering, etc. Labor expense documentation must correlate the individual labor expense with the deliverable, task, or subtask. Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total labor costs.

Description of Role	Unit	Unit of Measure	Unit Cost	SNPLMA	Non-Federal Contribution
Project Manager - planning, execution, monitoring, controlling, reporting, and closeout of project	225	Days	\$ 550	\$ 123,750	\$ -
Engineer - Design, Contract Preparation, Implementation	100	Days	\$ 450	\$ 45,000	\$ -
Project Inspector (other than contracted PI)	50	Days	\$ 350	\$ 17,500	\$ -
Archeologist - SHPO consultation, report prep/review	15	Days	\$ 350	\$ 5,250	\$ -
Archeology Technician - cultural surveys	30	Days	\$ 250	\$ 7,500	\$ -
Recreation Technician (Trails) - Design, GPS	100	Days	\$ 250	\$ 25,000	\$ -
Recreation Officer - IDT Member, site inspections	60	Days	\$ 350	\$ 21,000	\$ -
Wilderness Specialist - Min. Requirements Analysis	25	Days	\$ 450	\$ 11,250	\$ -
GIS Specialist - GIS and Map Preparation	15	Days	\$ 350	\$ 5,250	\$ -
Hydrologist - IDT Member	25	Days	\$ 350	\$ 8,750	\$ -
Contracting Officer (CO)	45	Days	\$ 500	\$ 22,500	\$ -
Contracting Officer Representative (COR)	90	Days	\$ 450	\$ 40,500	\$ -
Natural Resource Specialist - IDT member	20	Days	\$ 350	\$ 7,000	\$ -
Botanist - Biological Evaluation, IDT member	15	Days	\$ 350	\$ 5,250	\$ -
Natural Resource Technician (GS7) - rare plant monitoring and avoidance	15	Days	\$ 195	\$ 2,925	\$ -
Invasive Species Plan Tech (GS7) - treatment of invasive plant	20	Days	\$ 195	\$ 3,900	\$ -
Fuels/Fire Specialist	10	Days	\$ 350	\$ 3,500	\$ -
NEPA Specialist - planning and compliance	60	Days	\$ 400	\$ 24,000	\$ -
Public Affairs Specialist - news releases, social media, website	10	Days	\$ 450	\$ 4,500	\$ -
Budget Officer - budget related duties	30	Days	\$ 500	\$ 15,000	\$ -
Forest SNPLMA Program Admin	100	Days	\$ 450	\$ 45,000	\$ -
Law Enforcement or Forest Protection Officer	75	Days	\$ 450	\$ 33,750	\$ -
		Days	\$ -	\$ -	\$ -

<b>Total</b>	<b>\$</b>	<b>478,075</b>	<b>\$</b>	<b>-</b>
--------------	-----------	----------------	-----------	----------

**2. TRAVEL**

Travel expenses must make a direct and logical contribution to the project's purpose and deliverables (including tasks and subtasks, as appropriate). Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total travel costs.

Description of Travel and Purpose	Unit	Unit of Measure	Unit Cost	SNPLMA	Non-Federal Contribution
Travel and per diem, Engineering	5	Trip	\$ 1,500	\$ 7,500	\$ -
Travel and per diem, Contracting Officer and COR	10	Trip	\$ 1,500	\$ 15,000	\$ -
Travel and per diem, Project Manager	10	Trip	\$ 1,500.00	\$ 15,000	\$ -
Travel and per diem, Trails Specialist	20	Trip	\$ 1,500.00	\$ 30,000	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -

<b>Total</b>	\$	<b>67,500</b>	\$	<b>-</b>
--------------	----	---------------	----	----------

### 3. TRAINING

Training expenses must make a direct and logical contribution to the project's purpose and deliverables (including tasks and subtasks, as appropriate). Example, contracting officer representative or program officer/assistance agreement training, training for chainsaw use, training for pesticide application, visual resource management, etc. Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total training costs.

Description of Role	Unit	Unit of Measure	Unit Cost	SNPLMA	Non-Federal Contribution
	0	Each	\$ -	\$ -	\$ -
	0	Each	\$ -	\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -

<b>Total</b>	\$	-	\$	-
--------------	----	---	----	---



**5. SUPPLIES AND MATERIALS**

Supplies and materials necessary to complete the project. Supplies/materials must make a direct and logical contribution to the project's purpose and deliverables (including tasks and subtasks, as appropriate). Supplies/materials must be the minimum amount necessary to accomplish the project; purchasing extra supplies/materials to "stock the cache" for post project management activities is prohibited. Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total equipment costs.

Description of Role	Unit	Unit of Measure	Unit Cost	SNPLMA	Non-Federal Contribution
Trail Signs	10	Each	\$ 400	\$ 4,000	\$ -
Sutter Wall components (excluding lumber)	1	Each	\$ 7,000	\$ 7,000	\$ -
Lumber for Sutter Wall	1	Each	\$ 4,000	\$ 4,000	\$ -
Kiosks	4	Each	\$ 7,500	\$ 30,000	\$ -
Stencils, paint, painting equipment, etc.	1	Each	\$ 8,000	\$ 8,000	\$ -
Trail Counters	6	Each	\$ 450	\$ 2,700	\$ -
Fencing materials for trails, natural resource protection	1	Each	\$ 55,000	\$ 55,000	\$ -
Misc Signs not included in Contract	1	Each	\$ 15,000	\$ 15,000	\$ -
Trash Cans	10	Each	\$ 65	\$ 650	\$ -
Large Boulders	25	Each	\$ 600	\$ 15,000	\$ -
Picnic tables & benches	10	Each	\$ 2,250	\$ 22,500	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -

<b>Total</b>	<b>\$</b>	<b>163,850</b>	<b>\$</b>	<b>-</b>
--------------	-----------	----------------	-----------	----------

**6. CONTRACTS AND AGREEMENTS**

Contracts and/or agreements (grants, cooperative agreements, assistance agreements, stewardship agreements, interlocal or state agreements, etc.) necessary to implement the project's purpose and deliverables (including tasks and subtasks, as appropriate). Extra or more robust documentation may be necessary if the contract and/or agreement is for multiple projects (e.g. a Master Agreement or CESU agreement). Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total grant and agreements used to implement the project.

Description of Role	Unit	Unit of Measure	Unit Cost	Subtotal	Non-Federal Contribution
Construction	1	Job	\$ 850,000	\$ 850,000	\$ -
Contract for installation of Sutter Wall and removal of existing retaining wall	1	Job	\$ 150,000	\$ 150,000	\$ -
Contract specification development	1	Job	\$ 11,000	\$ 11,000	\$ -
Contract development, solicitation, award	1	Job	\$ 6,500	\$ 6,500	\$ -
Contractor mobilization	1	Job	\$ 115,000	\$ 115,000	\$ -
Construction closeout and lien release	1	Job	\$ 12,500	\$ 12,500	\$ -
Agreements for Volunteer Support - Trail Monitoring, Sign Installation, Education/Outreach (100hr/yr for 3 years); SNC, FNW, SMYC	300	Hours	\$ 32	\$ -	\$ 9,540.00
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -

<b>Total</b>	<b>\$</b>	<b>1,145,000</b>	<b>\$</b>	<b>9,540</b>
--------------	-----------	------------------	-----------	--------------

**7. VEHICLE USE**

Use of an agency/entity vehicle, purchase of a new vehicle, rental of vehicle, or any other vehicle use not covered under Equipment. If possible, use the agency/entity fixed operation rate (FOR) multiplied by the unit (miles or hours) over the life of the project. The FOR includes depreciation and wear and tear on the vehicle tires, wiper blades, routine vehicle maintenance, etc. If special tires or replacement tires or other vehicle equipment is necessary, please show it under "Equipment." Vehicle expenses must make a direct and logical contribution to the project's purpose and deliverables (including tasks and subtasks, as appropriate). Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total vehicle use to implement the project.

Description of Role	Unit	Unit of Measure	Unit Cost	Subtotal	Non-Federal Contribution
Vehicle for Project Manager Monthly Cost (rental summer months)	20	Months	\$ 1,950	\$ 39,000	\$ -
Vehicle for Project Manager Mileage	12000	Miles	\$ 1	\$ 7,200	\$ -
Vehicle for Archeology Technician mileage	1500	Miles	\$ 1	\$ 900	\$ -
Vehicle for Engineers mileage	3500	Miles	\$ 1	\$ 2,100	\$ -
Vehicle for COR mileage	3500	Miles	\$ 1	\$ 2,100	\$ -
Heavy equipment costs not included in contract	1	EA	\$ 50,000	\$ 50,000	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -

<b>Total</b>	<b>\$</b>	<b>101,300</b>	<b>\$</b>	<b>-</b>
--------------	-----------	----------------	-----------	----------

**8. OTHER NECESSARY EXPENSES**

Other Necessary Expenses are time and materials necessary for project implementation but are not specific to any one deliverable (including tasks and subtasks, as appropriate). If you included the labor, equipment, and/or supplies and materials in the other sheets, do not include them here. Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total other necessary expenses to implement the project. This is not a complete list. Contact the SNPLMA Division for guidance on other necessary expenses.

Description of Role	Unit	Unit of Measure	Unit Cost	Subtotal	Non-Federal Contribution
Misc. Office Supplies	1	Hours	\$ 2,500	\$ 2,500	\$ -
SNPLMA Sign/plaque	1	EA	\$ 500	\$ 500	\$ -
		Hours		\$ -	\$ -
		Hours		\$ -	\$ -
		Hours		\$ -	\$ -
		h		\$ -	\$ -
		each		\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -

<b>Total</b>	\$	3,000	\$	-
--------------	----	-------	----	---

**SNPLMA Round 20  
Capital Improvements Project Addendum**

**Nomination:** Tab 3

**Entity:** National Park Service, Great Basin National Park

**Project:** Construct Campground and Improve Recreational Access in Strawberry Creek

**Remarks/Clarifications Needed:**

**Section D - Project Deliverables-Primary:**

1. Bullet #9 “Conduct outreach, education, and audience centered interpretive programs on cultural resources, restoration, and fire management”.  
**This needs clarification/quantification, what does ‘outreach’ look like, etc., how many audience-centered interpretive programs, etc.?**

**Section D – Project Deliverables-Anticipated:**

1. Bullet #3 “Perform restoration actions and invasive plant treatments resulting from site disturbance from construction activities (up to 1000 acres).” **This seems a large amount for a 10-site campground.**
2. Bullet #5 “Design and install at least one new wayside”, **a wayside is 'the edge of a road', this needs clarifying as to what is meant by designing and installing a wayside.**
3. Bullet #7 “Engage volunteers such as backcountry horseman, WNPA, foundation, wilderness group in stewardship and conservation”, **is more of a desired outcome rather than a task.**

**Section F – Project Timeframe:**

1. “The project is expected to last 5 years from the initiation date and will be initiated within one year of the Authorization to Expend Funds”. **Is 5 years enough time considering the elevation of the project, snowfall and months of the year where the project will be inaccessible?**
2. Year 4 bullet #6 states “Make upgrades and improvements on up to 20 miles of the Osceola Ditch trail for safe hiking”, **but the Deliverables state up to 25 miles.**

**Section K – Ranking Criteria:**

1. Criteria #5 Lifecycle Replacement/Reconstruction and Deferred Maintenance  
Nomination does not qualify for points under this criterion, as it states “*Does not include reconstruction, changes, or new amenities for previously approved SNPLMA capital improvement projects.* **This nomination is a reconstruction of a past SNPLMA project, “Provide Interpretive Exhibits for Understanding the Great Basin and Enhance Visitor Access to Great Basin National Park” (Project #NP87, SNPLMA Priority #8-3)**

**Section L – Orders and Priorities:**

1. Entity did not answer the U.S.D.A. Forest Service Priorities

**Section M – Maps:**

1. The Strategic Values map does not show any Connectivity or Community locations, i.e. location of Baker, NV, or Ely in regards to location of project.

**Performance Measures:**

1. H9 Acres of Invasive Plant Species Treated or Restored 1000 acres – This seems like a large amount for a 10-site campground. In addition, SNPLMA Project N008 “Strawberry Creek Restoration” is in this area, a map of both projects would be helpful to ensure no overlap.
2. C1 Number of Cultural or Historic Sites or Structures Stabilized or Protected 5 sites - Clarification needed, Nomination only mentions Osceola Ditch being stabilized, what are the other 4?
3. C2 Number of Cultural or Paleontological Artifacts Protected 15 items – Project doesn't mention artifact protection, other than the Osceola Ditch which is a ‘site’ not an artifact, need clarification on what this figure is referring to.
4. O8 Buildings or Facilities that Support Green Sustainable Design and Construction 5 buildings – Nomination doesn’t mention any Green Sustainability.

**Southern Nevada Public Land Management Act  
Capital Improvements  
Round 20**

Great Basin National Park



Construct Campground and Improve Recreational Access in  
Strawberry Creek

**Amount Requested: \$4,198,668.00**

## A. BACKGROUND INFORMATION

Strawberry Creek is truly a park wonderland. Herds of bugling elk are a major attraction during the fall rut. A perennial stream supports native Bonneville cutthroat trout and recreational fishing. The scenery is spectacular. Juxtaposed against rugged, snow-covered peaks; aspens, conifers, sagebrush, and lush meadows create spectacular vistas, panoramic backdrops for hikers, and unparalleled fall colors. Cultural resources include dendroglyphs carved by Basque shepherders, Native American pine nut storage areas, and historic ranching structures. The Osceola ditch, listed on the National Registry of Historic Places, bears testament to mining in eastern Nevada. An extensive trail system, used by hikers and equestrians, connects the upper reaches of the drainage, Osceola Ditch, and the Wheeler Peak Scenic Drive to BLM lands in Weaver Creek and Sacramento Pass Recreation Area. These extraordinary resources attracted 6,000-day use visitors and 2,000 campers to Strawberry Creek each year.

But in 2016, a catastrophic wildfire devastated the canyon. The fire destroyed the newly installed campground, bathrooms, and horse corral and damaged bridges, trails, and signs. This infrastructure, funded by SNPLMA (NP-87), was only two years old. Visitor access was prohibited for two years due to safety concerns with hazardous trees and flooding. The environmental impacts of the fire were severe. Trespass cattle have increased. Flash floods caused stream incision, washed out trails, and threatened the fishery. Cheatgrass proliferated.

Since the fire, the park has invested heavily in protecting and restoring resources in Strawberry Creek. An on-going SNPLMA project supports stabilization of riparian areas (N008). The park received three years of Burned Area Rehabilitation (BAR) funding to treat invasive weeds and aerial seed native plants. Trout are increasing in distribution and abundance. Extensive road work has stabilized and protected the road from flooding. Sagebrush, aspen, and perennial bunchgrasses are thriving and invasive weeds are decreasing. Hazardous trees have been removed along the road and campground.

Thanks to these efforts, Strawberry Creek was re-opened to the public in 2019. But due to the lack of facilities, the canyon remains a day use only area. Meanwhile, park visitation has doubled, and the season of use has expanded from summer to spring and fall shoulder seasons. The park's campgrounds and facilities are at capacity, especially during holidays. The park receives constant requests from visitors and the local business community to rebuild the campground and improve the trails.

Its time to fully open access to Strawberry Creek for recreation, fishing, hiking, and camping. This project will restore and modernize the campground, increase accessibility, restore trails, and improve roads. Signage, interpretive programs, outreach, and education will connect visitors to the resource, enhance visitor and community experience, and protect natural and cultural resources.

- a. **Describe Relationship to Prior Approved Projects and/or Phases Relevant to this Project (SNPLMA funded or not), and any anticipated Future Phases**

- Round 8 - Provide Interpretive Exhibits for Understanding the Great Basin and Enhance Visitor Access to Great Basin National Park (NP-87)
- Round 9 Implementing the Conservation Agreement for Bonneville Cutthroat Trout in the State of Nevada (NP42)
- Round 9 Landscape Level Vegetation Management Plan (N001)
- Rd 12 Capital Improvements – Sacramento Pass Recreation Area (BL50)
- Rd14 – ENLRP Strawberry Creek Fuels Reduction & Sagebrush Steppe/Aspen Restoration (N003)
- Rd 17 Eastern Nevada Landscape restoration - Strawberry Creek Restoration Project (N008)
- Round 18- Vegetation mapping (N010)

There are no anticipated future phases of this project.

**b. Acknowledgement of Stand-Alone Project and no Guarantee of Funding for Future Phases**

This project is a one-time, stand-alone action with no guarantee of funding for any future phase.

## **B. EXECUTIVE COMMITTEE’S SNPLMA STRATEGIC PLAN VALUES**

Capital Improvement projects have two goals identified in the Strategic Plan:

- Goal 1: Sustain the quality of the outdoor environment by conserving, preserving, and restoring natural and cultural resources.
- Goal 2: Improve the quality of life for all publics in urban and rural communities by enhancing recreational opportunities that connect people with the outdoor environment.

Nominated projects should meet these two goals by focusing on the three SNPLMA core values, connectivity, sustainability, and community. Every nomination must explain how the three values are promoted by the project.

- **Connectivity**  
This project will connect people to nature, provide recreational opportunities, and link important places on the landscape, while protecting the ecological integrity of Strawberry Creek. The road and trail system will link the Wheeler Peak Scenic Drive, Osceola Ditch, and Strawberry Creek areas of the park to Sacramento Pass Recreation Area, managed by the BLM to the north. Interpretive programs, education, outreach and signage will connect park visitors to nature and foster appreciation and care for natural and cultural resources.
- **Sustainability**  
The park and SNPLMA have invested heavily in conserving, restoring, and preserving the natural and cultural resources in Strawberry Creek. These efforts have included hazardous tree removal, invasive plant treatments, stream and native plant restoration,

native fisheries, and road stabilization. This project will sustain that investment and balance resource protection with responsible recreation, by constructing durable and long lasting infrastructure, providing outreach, interpretation, and education, and fully restoring access to camping and hiking trails.

- **Community**

This project will create new outdoor recreation opportunities that improve the quality of life for the public and encourage interaction with nature by increasing the amount of free camping, improving roads and trails, and protect critical cultural and natural resources. The local community and businesses in Baker and Ely support fully reopening access and camping in Strawberry Creek. The canyon was closed to protect public safety but those issues have been resolved.

### C. PURPOSE STATEMENT

With this project, Great Basin National Park will fully reopen Strawberry Creek to park visitors and increase recreational and camping opportunities, while protecting the natural and cultural resources that make the canyon so spectacular. To accomplish this the NPS will construct a new campground with appropriate site amenities, including shade structures, ADA accessible sites, bathrooms, and an equestrian corral. New signage will be developed and placed at the park entrance, campground, and trailhead to inform and interpret the area. Roads and trails will be rehabilitated and the park boundary fence will be extended to prevent trespass cattle from damaging infrastructure and park resources. Cultural resources will be evaluated, stabilized, and interpreted. Outreach, education, and interpretive programs focused on fire management and stewardship will connect park visitors to natural and cultural resources.

### D. PROJECT DELIVERABLES

Primary:

- Construct a campground of at least 10 sites with low maintenance/long life picnic tables, shade structures, fire rings, and free-standing grills. At least one of the campsites will be ADA compliant.
- Install new ADA compliant CXT toilet with parking area.
- Construct one new equestrian corral in the former location.
- Rehabilitate up to 20 miles of trails.
- Rehabilitate up to 5 miles of access road to campground and trailhead.
- Remove hazard trees from developed areas (up to 15 acres).
- Design and install at least one new entry sign.
- Design and install an additional parking area with two picnic tables near current trailhead.
- Conduct outreach, education, and audience centered interpretive programs on cultural resources, restoration, and fire management.
- Regularly contact visitors within campground, hiking trails, and trailheads (up to 1,000 visitor contacts)

Anticipated:

- Construct up to five miles of boundary fence to protect infrastructure and resources.

- Manage fuels to protect infrastructure and improve resources (up to 15 acres)
- Perform restoration actions and invasive plant treatments resulting from site disturbance from construction activities (up to 1000 acres).
- Reevaluate the historic Osceola Ditch through resource surveys, redocumentation efforts, historic research, and updated Determination of Eligibility (DOE) for listing status in the National Register of Historic Places (NRHP).
- Design and install at least one new wayside.
- Design and install at least one new wayfinding sign to provide information about the recreation opportunities in the drainage.
- Engage volunteers such as backcountry horseman, WNPA, foundation, wilderness group in stewardship and conservation.
- Make upgrades and improvements on the Osceola Ditch trail for safe hiking. Upgrades and improvements may include bridges, trail reroutes, signage, and tread stabilization (up to 25 miles).

Standard:

- Complete NEPA compliance.
- Complete NHPA Section 106 compliance.
- Develop work plan and enter into SNPLMA database.
- Quarterly budget request and budget tracking.
- Project administration and oversight.
- Contract preparation and oversight.
- Quarterly and annual reporting will be completed.
- Final project report will be prepared and submitted.

## **E. PROJECT LOCATION**

**Identify County in Nevada where Project will be carried out:**

White Pine

**Identify Congressional District(s):**

NV02

**Latitude and Longitude:**

39.061000°, -114.273318°

## **F. PROJECT TIMEFRAME**

The project is expected to last 5 years from the initiation date and will be initiated within one year of the Authorization to Expend Funds. The project will be completed when the deliverables have been met, final reports received, and education and outreach has been completed. These products will be included in the final closeout report to SNPLMA to confirm completion.

**Year 1**

- Develop work plan and enter into SNPLMA database.

- Initiate NEPA, NHPA Section 106, Tribal consultation, and hiring
- Secure necessary permits
- Restoration and invasive plant work (anticipated)
- Draft cooperative agreements and contracts
- Initiate equipment and supply purchasing

## **Year 2**

- Continue any needed compliance
- Finalize cooperative agreements, hiring, and contracts
- Continue purchasing
- Planning for campground, trail and road renovations
- Remove hazard trees
- Begin outreach, educational programs, and visitor contacts
- Begin planning for fence installation (anticipated)
- Design parking area at trailhead
- Restoration and invasive plant work (anticipated)

## **Year 3**

- Begin road renovation
- Continue outreach, educational programs, and visitor contacts
- Install parking area and picnic tables at trailhead
- Install campground, CTX toilet and corral
- Reevaluate the historic Osceola Ditch possibly through use of resource surveys, redocumentation efforts, historic research, or an updated Determination of Eligibility (DOE) for listing status in the National Register of Historic Places (NRHP) (Anticipated)
- Begin planning for Osceola ditch improvements (anticipated)
- Fence installation (Anticipated)
- Restoration and invasive plant work (anticipated)

## **Year 4**

- Complete road renovation
- Finish campground installation
- Continue outreach, educational programs, and visitor contacts
- Fence installation (Anticipated)
- Install waysides and signs
- Make upgrades and improvements on up to 20 miles of the Osceola Ditch trail for safe hiking (Anticipated)
- Restoration and invasive plant work (anticipated)

## **Year 5**

- Continue outreach, educational programs, and visitor contacts
- Restoration and invasive plant work (anticipated)
- Final project report will be prepared and submitted.
- Closeout

## G. LEVEL OF PROJECT READINESS FOR IMPLEMENTATION

Is this a shovel-ready project?  Yes  No

The National Park Service has the capability to plan, design, engineer, initiate and complete the project within the period of performance. Upon project approval and release of funds, park staff is ready to implement the action as proposed. Park has the capacity to complete all NEPA and Section 106 compliance to complete project deliverables. The park has a project management team which meets every month to review and manage SNPLMA projects. The park has COR's on staff. Maintenance staff is ready and available to supply oversight and oversee seasonal staff to complete any non-contracted work. Resource staff is available to complete and/or guide any restoration work, complete compliance, and assure all work is completed in an environmentally sensitive manner.

Have you applied, received, or is there the opportunity to obtain funding from another source for this project? Please list the additional funding opportunities received or applied for and indicate whether it is federal or nonfederal funding.

We will use Recreational Fee Revenue for ongoing upkeep and maintenance. We anticipate this cost at approximately \$18,000 per year.

## H. FUTURE OPERATING AND MAINTENANCE

With the construction of campground and utilizing long life/low maintenance amenities, it is anticipated that annual maintenance costs will be low. The campground was a highly sought out camping location because of the year-round wildlife viewing opportunities, hiking, aspen stands, and relative solitude. An estimated 6,000-day use visitors and 2,000 campers enjoyed the area each season prior to the 2016 fire. Visitation is expected to increase. If this proposal is funded, the park is committed to maintain and clean facilities during the visitor season. The park is considering fees for camping. If fees are implemented, \$18,000 of revenue could be collected annually from this site (average of \$100 day for 180 days). Then by performing yearly preopening seasonal inspections and infrastructure maintenance; and implementation of a scheduled cyclic maintenance program, utilizing Rec-Fee revenues under the definition of deferred maintenance and other NPS cyclic maintenance fund sources. By doing so, it is our intention to keep the Strawberry Creek Campground and all its features well maintained to extend the natural life of all infrastructure and features in campground.

## I. PROJECT BUDGET

Complete the project budget using the provided Excel spreadsheet template and upload as a separate document to the "Submissions" tab in the Nomination Portal. Do not embed the project budget in this document.

Partnership and/or Contributed Funds

The Park partners with Federal Highways on yearly bridge inspections. They also partner with the Bureau of Land Management on road access and maintenance and with private property owners on area access.

## J. KEY CONTACTS

Authorized Officer: Anita Hansen, Superintendent (acting)  
 Email: anita\_hansen@nps.gov  
 Phone Number: 775-234-7501

Project Manager: Glen Dearden, Maintenance Chief  
 Email: glen\_dearden@nps.gov  
 Phone Number: 775-234-7530

Budget Officer: Anita Hansen, Administrative Officer  
 Email: anita\_hansen@nps.gov  
 Phone Number: 775-234-7501

## K. RANKING CRITERIA

The Ranking Criteria are used to evaluate the nomination against the goals for the Capital Improvements category. Nominating entities are not to include either the total point value or the point values by criteria in their responses. Nominations will be reviewed and scored by the Capital Improvements subgroup. Explain how the project meets each applicable criterion.

1. **SUSTAINABILITY & MODERNIZATION:** The project supports, or plans to support, conservation, preservation, restoration, or modernization of natural, cultural, or historic resources (which includes infrastructure) to ensure availability of those resources for future generations. The agency has shown the project is feasible and will remain relevant and continue to provide benefit to a recreation user over the anticipated life of the project. Clearly explain what the anticipated design life of the project is and identify what and how the natural resources will be sustained.

*A. A new project or facility, or planning for a new project or facility, including employee housing, designed specifically to engender conservation stewardship and provide new opportunities within the management area that is ecologically, economically, and socially sustainable for present and future generations and restore or preserve natural resources or cultural resources of the area. Directly supports the conservation and stewardship of natural and cultural resources.*

Answer: [Click or tap here to enter text.](#)

*B. Modernization or rehabilitation, or planning for the modernization or rehabilitation, of an existing project, facility and/or amenities to enhance the visitor experience, improve*

*unit operations, and reduce or eliminate user impacts to the natural or cultural resources, or restore natural processes within the immediate project area.*

Answer: By using concrete and other durable materials for fire rings, tables, and shade structures the anticipated design life of this project is 20-30 years, providing relevance and recreational opportunities for decades.

The park and SNPLMA have invested extensively in natural and cultural resource protection through several projects. But in order to protect this investment, restore full access, increase recreation opportunities, and protect resources, modern infrastructure and upgrades are needed. This project will increase recreational opportunities for years to come, while preserving both natural and cultural resources for decades.

Several aspects of this proposal are designed to engender conservation stewardship. Outreach, audience centered interpretation, education, and signage will focus on restoration, active management, fire ecology, and responsible recreation. But the primary goal is to increase and enhance sustainable recreational opportunities such as camping, hiking, fishing, and horseback riding. Facilities installed under this proposal will protect natural and cultural resources for decades and are both economically and socially sustainable for both the park and the local area and will encourage visitors to stay in the area longer, contributing to the local economy.

*C. Planning of, or conservation and stabilization, restoration, or rehabilitation of, significant historic buildings, cultural sites, and other significant historic facilities for the present and future generations to enjoy and appreciate the areas cultural heritage.*

Answer: The Osceola Ditch, completed in 1890 to transport water to gold mines in town of Osceola, traces Strawberry Creek along the 8,000 foot counter interval. At 18 miles in length, the Osceola ditch, listed on the National Registry of Historic Places, bears testament to mining in eastern Nevada. Due to post fire flooding and erosion, the Osceola ditch and trail washed out and are now impassible to hikers. This project will conserve and stabilize the Osceola Ditch and provide visitor outreach and education for this historic environment. Based upon the anticipated deliverable "Reevaluate the historic Osceola Ditch through resource surveys, redocumentation efforts, historic research, and an updated Determination of Eligibility (DOE) for listing status in the National Register of Historic Places (NRHP)", the park will be able to implement stabilization and rehabilitation efforts that will preserve the historic Osceola Ditch for current and future generations to enjoy and appreciate. The park will also rebuild an historic horse corral that was located near the campground. Fences will protect historic and pre-historic cultural resources from trespass cattle. In addition to these actions, this project will provide outreach and interpretation about the cultural resources in Strawberry Creek.

*D. New facilities, or planning for a new facility, that enhances or improves management of public lands. These might include visitor centers, contact stations, and campgrounds to improve public access; housing for staff, interns, and volunteers to carry out programs for improved conservation, education; and curation facilities and workspace to*

*improve conservation of natural and cultural resources and opportunity for educational programming.*

Answer: This project will construct new facilities for improvement of public land management. With this proposal, Great Basin Park will fully reopen Strawberry Creek to park visitors, increase recreational and camping opportunities, while protecting the natural and cultural resources that make the canyon so spectacular. This project will build a new campground, increase accessibility, upgrade trails, and improve roads. Signage, interpretive programs, outreach, and education will connect visitors to the resource, enhance visitor experience and protect natural and cultural resources.

2. **CONNECTIVITY:** The project provides, or plans to provide, recreational opportunities that link population centers, recreation facilities, and the user to the outdoors and natural landscapes. It encourages people to meaningfully connect with their natural environment, thus helping them appreciate and care for the environment. The project will also connect the user to the history and/or cultural of the site and engages the user in appreciation of the site/area.

A. *Provides, or plans to provide, new, upgraded, or modernized feasible access and/or amenities or infrastructure to previously under-served areas and/or new opportunities to enjoy/appreciate public lands (e.g., trails, kiosks with location maps and site information, roads, parking, way-finding, restrooms, day use or overnight camping).*

Answer: [Click or tap here to enter text.](#)

B. *Improves, or plans to improve, access to previously developed recreation areas and sites on public lands and/or rehabilitates, upgrades, or modernizes site amenities (e.g., improves access to trails, area or site information and way-finding, converts high clearance access roads to passenger vehicle accessible roads, and/or improves parking).*

Answer: The fire in Strawberry Creek destroyed a new campground. For public safety and resource protection, access to Strawberry Creek remains day use. With this project we will restore full access to Strawberry creek through modernized amenities and infrastructure and will improve recreational opportunities for the public to enjoy Strawberry Creek. Infrastructure additions and improvements include: road improvements, parking areas, accessible campsites, trails, restrooms, kiosks with location maps, and site information.

The campground sits in the north end of the park, an hour from the more developed areas of the park. The campground, corral, and new interpretive displays will connect visitors to the natural resources and environmental processes surrounding them, allowing for increased recreation in a previously underdeveloped area. Rehabilitated roads and trails will also improve the recreational experience. The project improves access both to the front country (road rehabilitation) and the backcountry (trail rehabilitation) as well as for Americans with disabilities at the campground, parking lots, and restrooms. It also provides educational signing, which will be ADA compliant and multilingual as well.

Although previously accessible, Strawberry Creek access was blocked after the fire. This project will restore access to trails, provide vehicle accessible roads and parking as well as modern amenities.: The campground and corral will create a new recreational opportunity and the improved roads and trails will help connect this area of the park to other park areas as well as the BLM road and trail system to the north. These facilities will meet rising user demands for both camping and backcountry access. This is the most easily accessible area of the park for White Pine County residents who mostly live around Ely.

- C. *Provides, or plans to provide, new or additional recreation opportunities by connecting two or more existing recreational facilities/areas or cultural sites, and increased access to primitive or developed outdoor recreation and educational opportunities to meet increased user demand.*

Answer: [Click or tap here to enter text.](#)

- D. *Contains an outreach and education or stewardship component to improve public awareness and engage the public in the conservation and protection of the surrounding natural environment through the use of resource interpretation (e.g., information signage, kiosks, on-site docent accommodations, educational programs, restoration, revegetation, invasive species removal, cultural site protection).*

Answer: The 2016 fire in Strawberry Creek, while devastating, is also a reality of land management in the Anthropocene. After 100 years of fire exclusion, fuels in the park have dramatically accumulated. In our hotter and drier climate, fires are now more intense, larger, and more damaging. This past winter, the park completed an updated Fire Management Plan and Environmental Assessment. Under this plan, the park will reduce fuels using prescribed fire on ~30,000 acres over the next decade. Intensive outreach, education, and visitors contacts are needed to accompany this dramatic change in land management. Strawberry creek can serve as a case study for both the positive and negative impacts of fire management. We will use audience centered interpretation, social media, education, outreach and signage over the life of this project to address this need. This project will also provide an opportunity to integrate the interpretation and protection branches into our fire management strategy. Additional outreach and interpretation will focus on cultural resources, a neglected interpretive theme in the park.

3. **COMMUNITY:** The project provides, or plans to provide, or improves outdoor recreation opportunities to improve the quality of life, especially for underserved communities. It conserves or restores, or plans to conserve or restore, the functionality, resiliency, and integrity of biological communities, and/or addresses affordable employee housing. The project encourages partnerships, which in turn builds community. *(Encourages and engages the public in the conservation and protection of the surrounding natural environment through use of volunteer/stewardship resources)*
- A. *Outdoor recreation projects that provide, or plans to provide, economic benefits to local communities and social benefit to the recreationist and are responsive to changing demographics. The project has demonstrated feasibility and has agreements or*

*partnerships in place for the planning, design, implementation, and/or management of the project.*

Answer: Strawberry Creek was a popular recreational area and connected ~6,000 day use visitors and 2,000 campers to nature each year. But the 2016 fire blocked access, destroyed newly constructed facilities, and damaged resources. The park receives constant requests from visitors and local businesses to rebuild the campground and improve the trails. Safety and resource issues have been resolved. Its time to reconnect park visitors to Strawberry Creek.

Reopening the canyon to camping and improving hiking trails and facilities will connect people to nature, while protecting important wildlife habitat and migratory corridors.

The addition of a new park campground with improved road and trail access will enable more visitors to stay longer in the area, providing economic benefits as these visitors use local businesses in both Baker and Ely, Nevada. This backcountry area is easily accessed and will meet the needs of young, demographically diverse campers who have been coming to the park post-COVID from local urban areas (Las Vegas, Salt Lake City, Reno, etc.). The park has existing partnerships with the NPS Denver Service Center and access to contractors for all phases of planning, design, implementation, and management of the project. The park has a Project Manager who can manage this project.

*B. Project has identified committed non-SNPLMA sources of funding or in-kind contribution for the planning, design, and development of the project.*

Answer: : While we do not have non-SNPLMA sources of funding for this project, we have supported restoration and post fire rehabilitation with BAR funds and will continue to use ONPS funds for invasive species control, fisheries, campground maintenance, trail maintenance, and road upkeep. Other NPS funding sources have been used for the development of this project. NPS staff have contributed to the planning, design and development stages of the project proposal.

*C. Project provides agency or unit support/administrative infrastructure in underserved areas to improve management of, conservation stewardship, educational programming, and access to, public lands.*

Answer: Prior to the 2016 fire, an estimated 6,000 day use visitors and 2,000 campers used Strawberry Creek each year. Since then, the area has been day use only, as no overnight facilities (campground and restrooms) exist. This project will add critical infrastructure to an underserved area, both within the park and in the local area. Facilities, outreach and new signage will improve management and access to public lands and increase stewardship and education. Locals have frequently requested that we rebuild facilities here so that both local people can more easily access the Strawberry Creek area and that visitors will camp in the area and therefore stay longer and spend more in the local economy. Our local tribes (Ely Shoshone, Goshute, and Duckwater) all have expressed an interest in camping and harvesting pine nuts in the area. Outreach and educational programming will focus on fire management and cultural resource conservation and stewardship.

- D. *Supports, or plans to support, community through affordable employee housing to promote economic development, enhance the quality of life, and improve the productivity and management of public lands.*

Answer: This is not a housing project

4. **OPERATIONS AND MAINTENANCE:** The agency has clearly demonstrated that the anticipated operations and maintenance costs for the project and resources necessary to operate the project are within existing appropriations or demonstrated how they will secure the necessary operations and maintenance funds. *(Agency has detailed the estimated annual O&M costs, estimated use, and permit fees to be collected, if applicable.)*

- A. *The agency has demonstrated that the project is feasible and current appropriations are sufficient for the operations and management of the new project or that O&M costs will be reduced after reconstruction and will be offset by concessionaire or volunteer labor for O&M.*

Answer: The park has sufficient appropriations for ongoing O&M costs. The park also has a team of volunteer campground hosts within the park. While a campground host will not be permanently stationed at Strawberry Creek, we will periodically send VIP staff to the area, which will help somewhat reduce the need for salaried staff to visit. Annual operating cost is expected to be \$18,000 per year. The park is considering the possibility of making the new campground a fee area but has sufficient funding to operate the new campground and facilities, even if fees are not collected.

- B. *Volunteers or partners will be responsible for operation and maintenance of the project and agency funds will not be needed.*

Answer: Yes – The park anticipates that campground hosts (we typically have campground hosts at Wheeler Peak Campground, Upper Lehman Campground, Lower Lehman Campground, and Baker Creek Campground) will be periodically tasked with going to Strawberry Creek where they can interact with visitors, identify any issues at the campground, interact with campers to ensure their needs are met and see if they have questions, and identify and deal with any other issues. Other park volunteers that have worked in strawberry creek include backcountry horseman, wilderness groups, WNPA and park foundation. As part of this project, we will engage these groups for volunteer projects involving fence construction and trail maintenance.

- C. *The agency has included the current O&M costs, if any, and how this project will reduce current operations and maintenance costs. The entity has clearly shown what the anticipated savings will be, and/or how the project will reduce water use or energy costs for utilities or other O&M costs.*

Answer: Primary maintenance will be daily visits to clean the restroom which take one custodian about 90 minutes a day to accomplish. Any larger repair or rehabilitation projects will be funded by project money acquired from the NPS project funding sources. There will be no energy costs or energy developments in Strawberry Creek. There will also not be any potable water developments within Strawberry Creek, although visitors will have access to water at several other locations within the park (and in Baker, Nevada).

D. *Project would improve, or plans to improve, energy efficiency and/or independence.*

Answer: Project will not be connected to any utility, power, or water systems; therefore, the campground will positively impact energy efficiency by not using any. They will also enjoy the dark night skies that so many come to enjoy.

#### 5. **LIFECYCLE REPLACEMENT/RECONSTRUCTION AND DEFERRED**

**MAINTENANCE:** Any existing project or facility that has met or exceeded its useful life, design life, or life cycle that requires major restoration or reconstruction, or plans for major restoration or reconstruction, to restore the historic fabric of the facility or meet standard new Federal accessibility guidelines. *(Does not include reconstruction, changes, or new amenities for previously approved SNPLMA capital improvement projects. Excludes projects that were identified as phased construction, each phase must be fully operational and serve the intended purpose upon completion.)*

A. *The project remains relevant, but has exceeded its useful design life, does not meet current federal accessibility standards, or deferred maintenance costs exceed the cost of replacement or reconstruction.*

Answer: Existing roads and trails are passable but do not meet current standards. Rehabilitation will ensure that they remain in good condition for the next 15-20 years.

B. *Current use has exceeded the original planned visitation/use and impacts have created a need to replace or reconstruct, or plans to replace or reconstruct, the facility earlier than originally intended and increased deferred maintenance costs exceed the cost of replacement or reconstruction. The project proposal shows the current annual maintenance costs and the anticipated savings after construction/reconstruction is complete.*

Answer: Current use far exceeds the parks original planned visitation for the area. This level of use can be accommodated by the construction of a new campground, corral, restrooms, and parking areas. Budget shows our anticipated annual maintenance costs which the park can cover with existing appropriations.

## **L. ORDERS AND PRIORITIES**

Respond to the Executive Orders, Secretarial Orders, Department of the Interior Priorities, and USDA Forest Service Priorities as they apply to the purpose of the nomination.

1. Executive Orders (EO):

0. ***EO No. 13855: Promoting Active Management of America's Forests, Range Lands to Improve Conditions and Reduce Wildfire Risk***

Yes - This project will remove hazard trees within developed areas (primary deliverable) and conduct thinning operations (anticipated deliverable) to protect infrastructure from wildfire and to improve resource condition.

1. ***EO No. 14004: Ensuring the Future is Made in All of America by All of America's Workers***

Yes - All materials will be as American made as possible.

• ***EO No. 14063: Use of Project Labor Agreements for Federal Construction Projects (applicable to projects estimated at \$35 million or more)***

Not applicable.

• ***EO No. 14072: Strengthening the Nation's Forests, Communities, and Local Economies***

This project will protect forest and provide economic benefits to local communities.

• ***EO No. 14096: Revitalizing Our Nation's Commitment to Environmental Justice for All***

Not applicable.

2. Secretarial Orders

1. ***SO No. 3347: Conservation Stewardship and Outdoor Recreation.***

Yes – this project will enhance stewardship and improve access to outdoor recreation.

2. ***SO No. 3356: Hunting, Fishing, Recreational Shooting, and Wildlife Conservation Opportunities and Coordination with States, Tribes and Territories.***

***Yes – this project will enhance access to fishing within Strawberry Creek as well as improve wildlife conservation opportunities by fencing out trespass cattle.***

3. ***SO No. 3362: Improving Habitat Quality in Western Big-Game Winter Range and Migration Corridors.***

***: Yes - This project will conduct thinning operations (anticipated deliverable) to protect infrastructure from wildfire and to improve resource condition for both deer and elk winter range.***

4. ***SO No. 3366: Increasing Recreational Opportunities on Lands and Waters Managed by the U.S. Department of the Interior***

Yes - This project will increase recreational opportunities on both NPS and BLM managed lands

5. ***SO No. 3370: Conservation Stewardship and Increasing Public Access to Urban National Wildlife Refuges.***

*Yes – this project will improve wildlife conservation opportunities by fencing out trespass cattle but not to urban National Wildlife Refuges.*

6. ***SO No. 3372: Reducing Wildfire Risks on Department of the Interior Land Through Active Management.***

*Yes - This project will conduct thinning operations (anticipated deliverable) to protect infrastructure from wildfire and to improve resource condition for both deer and elk winter range.*

7. ***SO No. 3373: Evaluating Public Access in Bureau of Land Management Public Land Disposal and Exchanges (focus is on Sec. 4.b.(3) Potential increased public recreational access to existing public lands resulting from the proposed land acquired through an exchange (acquisition).***

*Not applicable*

8. ***SO No. 3376: Increasing Recreational Opportunities through the use of Electric Bikes.***

No – will remain the same.

3. Department of the Interior Priorities:

- ***Identifying steps to accelerate responsible development of renewable energy on public lands and waters.*** *We are investing in climate research and environmental innovation to incentivize the rapid deployment of clean energy solutions, while reviewing existing programs to restore balance on America's public lands and waters to benefit current and future generations.*

Not applicable

- ***Strengthening the government-to-government relationship with sovereign Tribal Nations.*** *We understand that tribal sovereignty and self-governance, as well as honoring the federal trust responsibility to Tribal Nations, must be the cornerstones of federal Indian policy.*

: Yes - The park has begun informal consultation on this project and will initiate formal consultation if funded. Local tribes will be invited to participate in camping trips and site visits to the park, which have been coordinated by the Great Basin Foundation.

- ***Making investments to support the Administration’s goal of creating millions of family-supporting and union jobs.*** This includes establishing a new Climate Conservation Corps Initiative to put a new generation of Americans to work conserving and restoring public lands and waters, increasing reforestation, increasing carbon sequestration in the agricultural sector, protecting biodiversity, improving access to recreation, and addressing the changing climate.

Yes - The park expects that this project will generate new jobs, conserve, and restore public lands, protect biodiversity, and improve recreational access. By increasing the time visitors stay in the local area, more money will be spent at businesses, benefiting the local economy and creating jobs. Fuels reduction and invasive plant treatments will promote biodiversity and increase resistance and resilience, a key strategy in using public lands to mitigate the climate crisis.

- ***Working to conserve at least 30% each of our lands and waters by the year 2030.*** We will work to protect biodiversity, slow extinction rates, and help leverage natural climate solutions by conserving 30% of America’s lands and waters by 2030. This relies on support for local, state, private, and tribally led conservation and restoration efforts that are underway across America.

Yes – this project will help conserve America’s lands and waters. . Fuels reduction and invasive plant treatments will promote biodiversity and increase resistance and resilience, a key strategy in using public lands to mitigate the climate crisis.

- ***Centering equity and environmental justice.*** The impacts of the multiple crises in the United States are not evenly distributed in our society. Communities of color, low-income families, and rural and indigenous communities have long suffered disproportionate and cumulative harm from air pollution, water pollution, and toxic sites. At every step of the way, Interior will engage diverse stakeholders across the country, as well as conduct formal consultation with Tribes in recognition of the U.S. government’s trust responsibilities.

Yes – Great Basin National Park is within White Pine County, a historically underserved area. We will engage all local communities and Tribes both formally and informally.

#### 4. USDA Forest Service Priorities:

- ***Controlling the COVID-19 pandemic***

Click or tap here to enter text.

- ***Providing economic relief***

Click or tap here to enter text.

- ***Tackling climate change***

Click or tap here to enter text.

- ***Advancing racial equity***

Click or tap here to enter text.

- ***Improving our workforce and work environment***

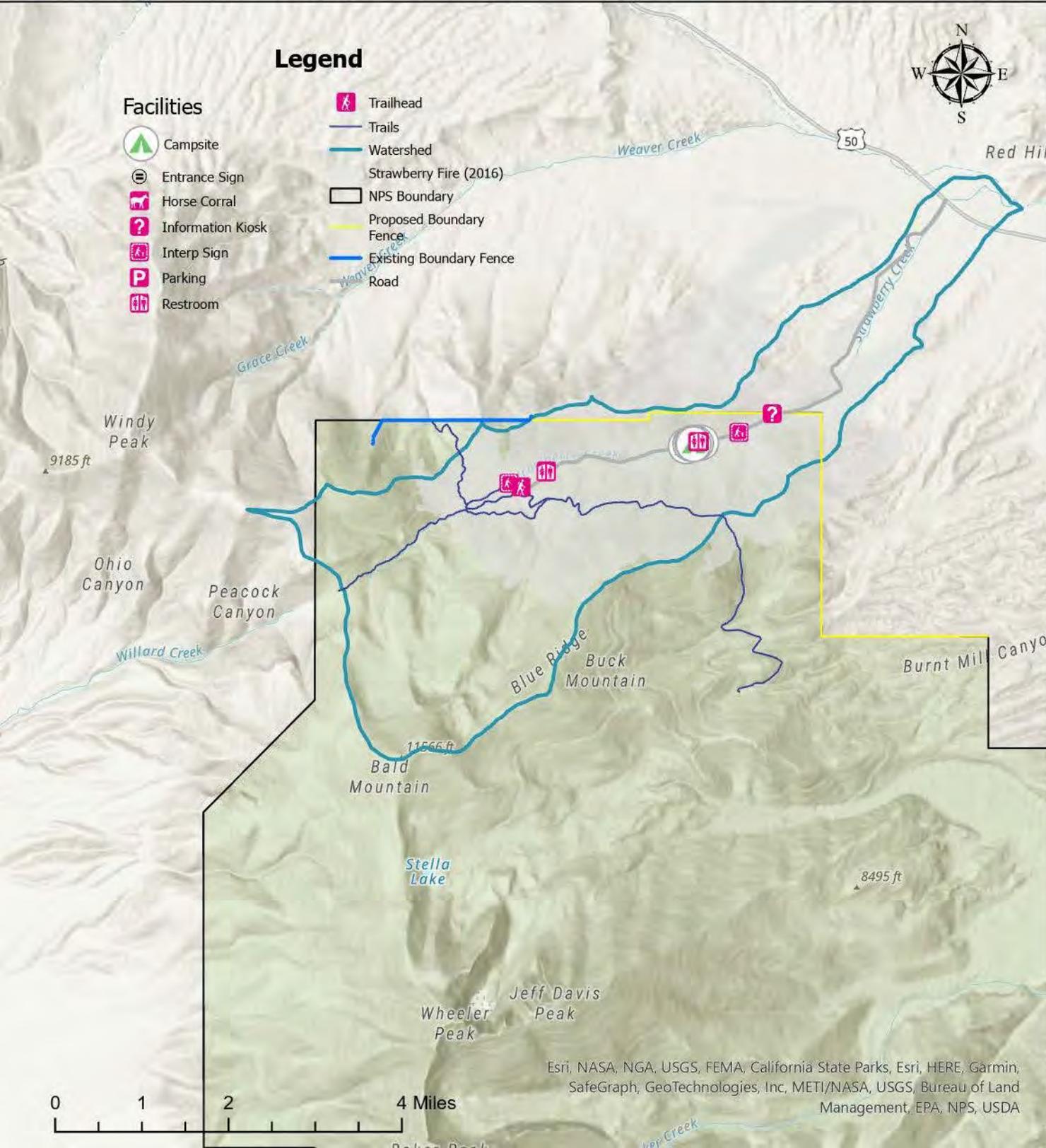
Click or tap here to enter text.

## **M. MAPS**

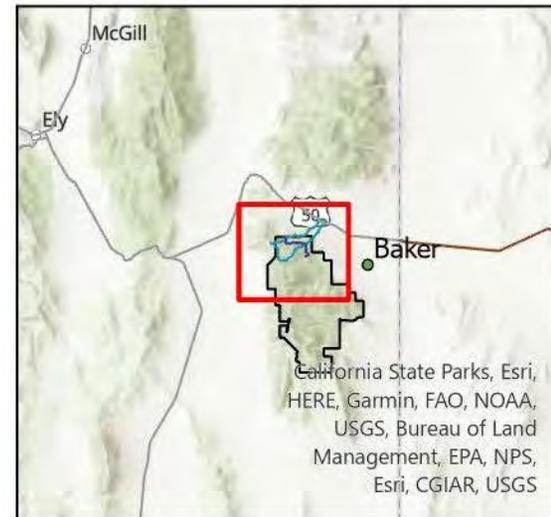
Maximum of six maps, labeled with a description. Maps must include a scale, title, the author, north arrow, date and time of preparation, and a legend. Insert here and upload maps as JPEG in the Nomination Portal.

## **N. PHOTOS**

Maximum of six photos, up to 20mg each or less. Provide descriptions. Insert here and upload photos as JPEG in the Nomination Portal.

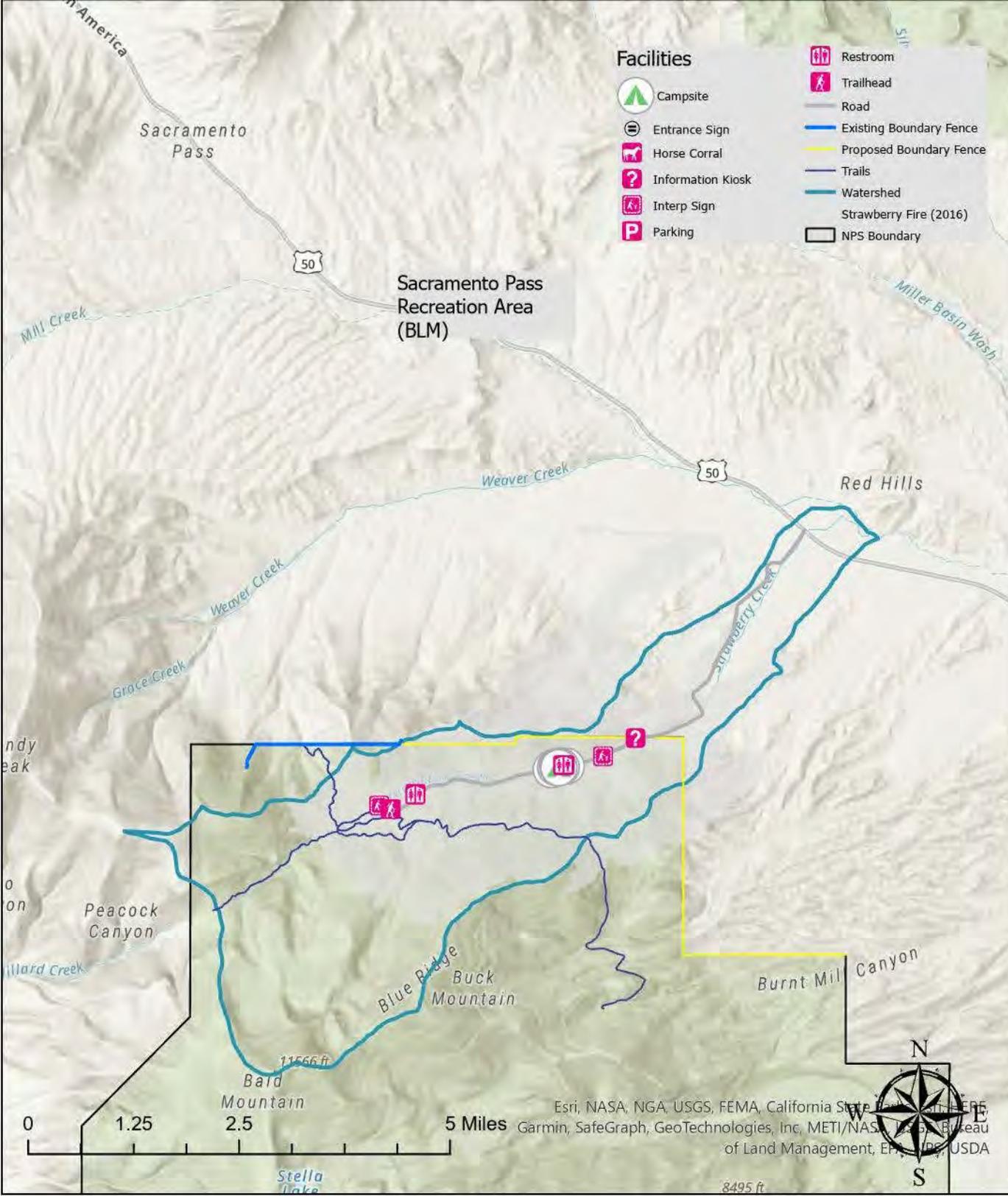


# National Park Service Great Basin National Park SNPLMA Round 20 Proposal Construct Campground and Improve Recreational Access In Strawberry Creek September 2023



National Park Service  
Great Basin National Park  
SNPLMA

Round 20 Proposal  
Construct Campground and Improve  
Recreational Access In Strawberry  
Creek



**Connectivity** - This project will connect people to nature, provide recreational opportunities, and link important places on the landscape, while protecting the ecological integrity of Strawberry Creek.

**Sustainability** - The park and SNPLMA have invested heavily in conserving, restoring, and preserving the natural and cultural resources in Strawberry Creek. This project will sustain that investment by constructing durable and long lasting infrastructure and fully restoring access to camping and hiking trails.

**Community** - This project will create new outdoor recreation opportunities that improve the quality of life for the public and encourage interaction with nature by increasing the amount of available camping, improving roads and trails, and protect critical cultural and natural resources. The local community and businesses in Baker and Ely support a full reopening of access and camping in Strawberry Creek.







# SNPLMA ROUND 20 NOMINATION

## Capital Improvements

### Performance Measures

<b>SNPLMA FY2020-FY2024 STRATEGIC PLAN GOAL 1: Sustain the Quality of the Outdoor Environment by Conserving, Preserving, and Restoring Natural and Cultural Resources</b>		
<b>Performance Measures for Habitat Enhancement</b>	<b>Definition of Performance Measure</b>	<b>Quantity</b>
H2 - Miles of Riparian Stream or Shoreline Habitat Treated, Enhanced, or Restored	Report the number of miles of riparian stream and/or shoreline vegetation and/or wildlife habitat treated, enhanced, or restored. This can include retreatment and/or maintenance treatments only if the initial treatment was not funded through SNPLMA and the miles have not been accounted for in the performance measures for another SNPLMA project. Include acres treated by fire for resource benefits, but not other types of wildland fire. Do not report treatments targeting invasive vegetation, as those should be reported under the H9 performance measure. Do not report hazardous fuels reduction projects, as those should be reported under either the F1 or F2 performance measures. Report to the nearest whole mile.	0
H3 - Miles of Riparian Stream or Shoreline Habitat Surveyed, Inventoried, or Monitored	Report the number of miles of riparian stream and/or shoreline vegetation and/or wildlife habitat surveyed, inventoried, or monitored. Report to the nearest whole mile.	0
H4 - Acres of Upland Habitat Treated, Enhanced, or Restored	Report the number of acres of upland vegetation and/or wildlife habitat treated, enhanced, or restored. This can include retreatment and/or maintenance treatments only if the initial treatment was not funded through SNPLMA and the acres have not been accounted for in the performance measures for another SNPLMA project. Include acres treated by fire rehabilitation projects or by fire for resource benefits, but not other types of wildland fire. Do not report treatments targeting invasive vegetation, as these should be reported under the H9 performance measure. Do not report hazardous fuels reduction projects, as these should be reported under either the F1 or F2 performance measures. Report to the nearest whole acre.	0
H5 - Acres of Upland Habitat Surveyed, Inventoried, or Monitored	Report the number of acres of upland vegetation and/or wildlife habitat surveyed, inventoried, or monitored. Report to the nearest whole acre.	0
H6 - Acres of Wetland / Riparian Habitat Treated, Enhanced, or Restored	Report the number of acres of wetland vegetation and/or wildlife habitat treated, enhanced, or restored. This can include retreatment and/or maintenance treatments only if the initial treatment was not funded through SNPLMA and the acres have not been accounted for in the performance measures for another SNPLMA project. Include acres treated by fire rehabilitation projects or by fire for resource benefits, but not other types of wildland fire. Do not report treatments targeting invasive vegetation, as these should be reported under the H9 performance measure. Do not report hazardous fuels reduction projects, as these should be reported under either the F1 or F2 performance measures. Report to the nearest whole acre.	0
H7 - Acres of Wetland / Riparian Habitat Surveyed, Inventoried, or Monitored	Report the number of acres of wetland vegetation and/or wildlife habitats inventoried or monitored. Report to the nearest whole acre.	0

H8 - Number of Water Developments Constructed or Improved for Wildlife	Report the number of water developments for use by wildlife constructed or improved/repared within all habitat types. Existing projects may be counted under this performance measure if functional improvements/repairs are made as defined in the project nomination. Report each development constructed or improved as one unit (e.g., one project may have three water developments).	0
H9 - Acres of Invasive Plant Species Treated or Restored	Report the number of acres of weed infestation treated with chemical, mechanical, physical, or biological control agents for the purpose of weed control. Include acres treated by fire when fire is used as a physical control agent for weed control rather than as a hazardous fuels treatment. Each acre treated is counted only once during the life of the project, no matter how many re-treatments occurred during the project. Report to the nearest whole acre.	1000
H10 - Acres of Invasive Plant Species Surveyed, Inventoried, or Monitored	Report the number of acres of weed infestation inventoried or monitored. Include monitoring of weed treatment projects reported under performance measure H9. Report to the nearest whole acre.	1000
H14 - Number of Threatened and Endangered Species Recovery Actions Implemented	Report the number of individual recovery actions performed for threatened or endangered species recovery as identified in recovery plans, conservation management plans, or land use planning documents. Include surveys, inventories, and monitoring as recovery actions. Note: One distinct action repeated 5 times over the course of the project would report as 1 action, not 5. The same recovery action conducted at distinct sites can be counted once for each site (this does not apply to individual plots within one single project site). The number of acres over which the actions were taken are reported under either H4 or H6. Report each action as one unit.	0
H15- Number of Conservation Actions Implemented for Non-Listed Species	Report the number of individual conservation actions for species not listed under the Endangered Species Act. Note: One distinct action repeated 5 times over the course of the project would report as 1 action, not 5. The same conservation action conducted at distinct sites can be counted once for each site (this does not apply to individual plots within one single project site).The number of acres over which the actions were taken are reported under either H4 or H6. Report each action as one unit.	0
H16 - Miles of Roads or Trails Decommissioned and/or rehabilitated	Report the number of miles of roads and/or trails decommissioned and/or rehabilitated within all habitats (urban, upland, riparian, stream, trails in caves, etc.). Closure may include designation, signing, blockage by physical means, obliteration, etc. Report to the nearest whole mile.	0
H17 – Miles of Roads or Trails Surveyed, Inventoried, or Monitored	Report the number of miles of roads and/or trails inventoried or monitored. Report to the nearest whole mile or linear foot. Report to the nearest whole mile.	25
<b>Performance Measures for Cultural / Paleontological Resources</b>	<b>Definition of Performance Measures</b>	<b>Quantity</b>
C1 - Number of Cultural or Historic Sites or Structures Stabilized or Protected	Report the number (one unit for each site or each structure) where work is completed to protect, stabilize, restore, excavate, and/or manage cultural features. For sites receiving multiple treatments, count each site only once, but if multiple structures are on a site, count each structure separately. For example an archeological dig site would be counted as one although multiple excavations may take place on the site, whereas a site having remnants of three separate dwellings would be counted as three. Report installation of interpretive signs and structures (e.g., kiosk displays) under O6. Report administrative actions such as mineral withdrawals, closures, or special designations under H1. Report each site or structure as one unit.	5

C2 - Number of Cultural or Paleontological Artifacts Protected	Report the number of cultural and/or paleontological artifacts protected, stabilized, or catalogued. Report one unit for each repatriation or transfer of custody of Native American human remains, funerary objects, sacred objects, and/or objects of cultural patrimony (cultural items) held in collections, pursuant to Title 43 CFR Part 10.10.; each instance in which all requirements of Title 43 CFR Part 10.10 have been met but where actual repatriation has not been completed because of decisions made by lineal descendants or Indian tribes or lack of a valid claim; and reburial of repatriated cultural items on BLM public lands. Report the number of accessions cataloged, inventoried, rehoused and/or otherwise upgraded. Materials from several sites or localities that are accessioned and cataloged under a single accession number should be considered one unit. An accession for which any one or more of the tasks of cataloging, inventorying or upgrading has been completed should be reported as one unit. Report each artifact as one unit.	15
C3 - Acres of Cultural / Paleontological Resources Surveyed, Inventoried or Monitored	Report the number of acres of land surveyed, inventoried, or monitored for cultural and/or paleontological resources. Include acres surveyed using Class I study of existing information inventory, Class II probabilistic field survey, or Class III intensive field survey and resultant inventory as required by Section 14 of the Archaeological Resources Protection Act (ARPA) or Section 110 of the National Historic Preservation Act (NHPA). Report to the nearest whole acre.	50

<b>SNPLMA FY2020-FY2024 STRATEGIC PLAN GOAL 2:            Improve the Quality of Life for all Publics in Urban and Rural Communities by Enhancing Recreational Opportunities that Connect People with the Outdoor Environment</b>		
<b>Performance Measures for Recreation Management</b>	<b>Definition of Performance Measures</b>	<b>Quantity</b>
R3- Number of New Recreational Facilities / Structures Constructed or Improved	Report the number of new recreational buildings, structures, park amenities, or similar facilities constructed or improved. Existing recreational facilities may be counted under this performance measure if functional improvements are made as defined in the project nomination. Include shade shelters, picnic areas, playgrounds, arenas, amphitheaters, pedestrian bridges, etc. Do not report acres of land acquired for new parks or natural areas as this should be reported under performance measure R5 or R6. Report each facility or structure as one unit.	5
R4- Miles of New Recreational Roads / Trails Constructed or Routes Improved	Report the number of miles of new recreational roads and/or trails constructed or improved. Restoration of existing roads and/or trails may be counted under this performance measure if functional improvements are made as defined in the project nomination. Report to the nearest whole mile.	25

<b>SNPLMA FY2020-FY2024 STRATEGIC PLAN:            Other Performance Measures that Also Support the Three Values for SNPLMA Implementation            of Sustainability, Connectivity, and Community</b>		
Other Performance Measures	Definition of Performance Measures	Quantity
O1 - Number of Hazardous Sites Remediated	Report the number of hazardous sites where remediation actions are completed. Actions to be included are: removal of safety hazards, clean-up operations, restoration actions, and water quality remediation actions. Do not report temporary remediation measures. Report each site as one unit. When applicable, also report total weight of trash removed during clean-up operations.	0
O2 – Number of Buildings, Facilities and/or Amenities Constructed or Refurbished	Report the number of buildings, facilities, or amenities constructed or refurbished to improve access, functionality and/or health and safety for employees and the public, or to facilitate the integrity of resource values. Include cross walks, park/trail lighting, fencing, barriers, retaining walls, weirs, signing, security cameras, etc. Report each building, facility or amenity as one unit.	5
O6 - Number of New Interpretive or Education Publications/Signs/ Kiosks/Displays/etc. Produced	Report the number of new interpretive or education publications produced, signs produced and installed, public informational websites or other electronic media presentations designed and implemented, and informational or interpretive kiosk displays produced and installed. Report each item produced as one unit.	4
O8 – Buildings or Facilities that Support Green Sustainable Design and Construction	Report the percent reduction in the carbon footprint accomplished through green design, water conservation, energy independence, etc. Report the Leed certification level (silver, gold, platinum), if applicable. Report each building or facility as one unit.	5
O9 – Number of GIS Databases Generated and/or Map Layers Produced	Report the number of GIS databases created and/or the number of map layers produced to identify the location of natural resources within the environment and provide mapping for use in educational programs. Report each database or map layer as one unit.	1
O10 – Number of Volunteers Used	Report the number of volunteers used in educational or interpretive programs and for surveying, monitoring, or restoration activities. Report each volunteer as one unit.	25
O11 – Number of Databases, Reports, and Other Electronic Means of Documenting Activities	Report the number of new databases, electronic reporting tools, mathematical/statistical models, websites, or reports developed and implemented to document project and/or program work. Report each electronic document or method developed as one unit.	1
O12 – Number of Management Plans/Handbooks/Manuals/ Guides for Activity on Public Lands Completed (formerly under H11, F3, C4, and R1)*	Report the number of new or revised ecosystem restoration, hazardous fuels reduction, recreation, cultural, resource management, or other activity plans when the decision document for the plan is signed. Revisions include modification of a significant portion of the decisions in the activity plan. Do not report minor amendments or changes in these plans. Report each plan as one unit.	0

**\*Note:**

Performance Measures H11, F3, C4, and R1, from original list were generalized and combined into new Performance Measure, O12.

**Glossary**

**Accession** – One or more objects and/or specimens acquired in the same manner from one source at one time for the museum property collection. Accessioning is the process of formally accepting and establishing permanent legal title (ownership) and/or custody for an object or specimen or group of objects and/or specimens. An accession can

consist of materials and associated archives from a single site or fossil locality, or materials from several sites or fossil localities.

**Biological Treatments** – Treatment of vegetation using domestic animals, insects, etc.

**Chemical Treatments** – Treatment of vegetation with herbicides, etc.

**Inventory** – Collection and analysis of baseline information; counting number of a given species, cultural feature, etc.

**Mechanical Treatments** – Treatments using hand or motorized tools for mowing, chaining, ripping, thinning, seeding, etc.

**Monitoring** – Establishment of current status and/or trends in environmental variables

**Riparian Habitat** – Riparian habitat includes the interface between upland habitat and a river, stream, or lake, regardless of whether it is intermittent or perennial. Riparian habitats are characterized by vegetation adapted to growing in water or saturated soils. Includes riparian woodlands, forests, buffer zones, or strips.

**Survey** – Observing an area to determine if a species or resource exists after which an inventory may or may not be performed.

**Upland Habitat** – Upland habitats include Mojave desert, grassland, shrub lands, pinyon juniper forests, and woodland sites.

**Wetland Habitat** – Wetlands are saturated areas, either permanently or seasonally, with characteristic vegetation adapted to its unique soil conditions.

Instructions: Put project cost estimates in Tabs 1-8. The values from those tabs will roll-up to this summary worksheet. The Non-Federal Contribution can be entered in Tabs 1-8 as a whole amount, it does not need to be broken out by unit cost.

**PROJECT BUDGET**

<b>Project Name:</b>		<b>Date:</b>	
<b>Project Manager:</b>		<b>Agency:</b>	
<b>Cost Categories</b>		<b>SNPLMA</b>	<b>Non-Federal Contribution</b>
1. Personnel (labor plus benefits)	\$	2,738,768.00	\$ -
2. Travel	\$	9,900.00	\$ -
3. Training	\$	-	\$ -
4. Equipment	\$	304,200.00	\$ -
5. Supplies/Materials	\$	336,750.00	\$ -
6. Contracts and/or Agreements	\$	691,000.00	\$ -
7. Vehicle Use	\$	118,050.00	\$ -
8. Other Necessary Expenses	\$	-	\$ -
<b>9. TOTAL PROJECT BUDGET</b>	<b>\$</b>	<b>4,198,668.00</b>	<b>\$ -</b>

Notes:

## 1. PERSONNEL

Include labor costs for all aspects of project implementation where agency labor will perform the work, e.g. planning and environmental documentation, section 106 compliance, labor to perform implementation, project management, interdisciplinary team (ID team), engineering, etc. Labor expense documentation must correlate the individual labor expense with the deliverable, task, or subtask. Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total labor costs.

Description of Role	Unit	Unit of Measure	Unit Cost	SNPLMA	Non-Federal Contribution
Heavy Equipment Operator WG 10 (1, 6 months year/4 years)	4176	Hours	\$ 50	\$ 208,800	\$ -
Heavy Equipment Operator WG 8 (1, 6months year/4 years)	4176	Hours	\$ 45	\$ 187,920	\$ -
Laborers WG 5 (6, 6 months year/4 years)	25056	Hours	\$ 38	\$ 952,128	\$ -
Maintenance Worker WG 8 (3, 6 months year/4 years)	12528	Hours	\$ 45	\$ 563,760	\$ -
SNPLMA CIP Project Supervisor GS 12 (1, 2 months year/5 years)	1600	Hours	\$ 65	\$ 104,000	\$ -
Archeologist, GS 11 (2, 3 months year/4 years)	2080	Hours	\$ 45	\$ 93,600	\$ -
Biologist Science Technician, GS 5 (2, 3 months year/4 years)	3840	Hours	\$ 22	\$ 84,480	\$ -
Biologist, GS 11 (1, 2 months year/4 years)	1280	Hours	\$ 45	\$ 57,600	\$ -
Admin Support, GS 5 (1, 3 months year/5 years)	2400	Hours	\$ 27	\$ 64,800	\$ -
Admin Support, GS 12 (1, 3 months year/5 years)	2400	Hours	\$ 48	\$ 115,200	\$ -
Exhibit Design Specialist, GS 9 (1, 3 months year/2 years)	1040	Hours	\$ 40	\$ 41,600	\$ -
Archeologist, GS 7 (1, 3 months year/2 years)	1040	Hours	\$ 32	\$ 33,280	\$ -
Archeological Tech, GS 5 (2, 6 months year/1 year)	2088	Hours	\$ 30	\$ 62,640	\$ -
Interpretation, Program Outreach, GS 12 (1, 3 months year/4 years)	1920	Hours	\$ 48	\$ 92,160	\$ -
Protection, Visitor Contacts, Management (GL 7 (1, 3 months year/4 years)	1920	Hours	\$ 40	\$ 76,800	\$ -
		Hours		\$ -	\$ -

<b>Total</b>	<b>\$ 2,738,768</b>	<b>\$ -</b>
--------------	---------------------	-------------

**2. TRAVEL**

Travel expenses must make a direct and logical contribution to the project's purpose and deliverables (including tasks and subtasks, as appropriate). Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total travel costs.

Description of Travel and Purpose	Unit	Unit of Measure	Unit Cost	SNPLMA	Non-Federal Contribution
NPS Investment Review Board Meetings - Project Manager and NEPA Specialist	2	Trip	\$ 3,700	\$ 7,400	\$ -
Exhibit Specialist/COR for design seminar	1	Trip	\$ 2,500	\$ 2,500	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -

<b>Total</b>	\$	9,900	\$	-
--------------	----	-------	----	---

### 3. TRAINING

Training expenses must make a direct and logical contribution to the project's purpose and deliverables (including tasks and subtasks, as appropriate). Example, contracting officer representative or program officer/assistance agreement training, training for chainsaw use, training for pesticide application, visual resource management, etc. Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total training costs.

Description of Role	Unit	Unit of Measure	Unit Cost	SNPLMA	Non-Federal Contribution
	0	Each	\$ -	\$ -	\$ -
	0	Each	\$ -	\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -

<b>Total</b>	\$	-	\$	-
--------------	----	---	----	---

#### 4. EQUIPMENT

Purchase, lease, or rental of equipment (not included in a contract or agreement) for project implementation. Equipment must make a direct and logical contribution to the project's purpose and deliverables (including tasks and subtasks, as appropriate). SNPLMA will only pay for the value of the equipment used during the project. The value of the equipment must be documented at the beginning and end of use to determine the amount SNPLMA will pay, if greater than \$5,000. Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total equipment costs.

Description of Role	Unit	Unit of Measure	Unit Cost	SNPLMA	Non-Federal Contribution
Rental Excavator	18	months	\$ 6,800	\$ 122,400	\$ -
Rental Skid Steer	18	months	\$ 3,700	\$ 66,600	\$ -
Rental Trail Cat	18	months	\$ 3,300	\$ 59,400	\$ -
Rental Compactor	18	months	\$ 3,100	\$ 55,800	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -

<b>Total</b>	\$	304,200	\$	-
--------------	----	---------	----	---

### 5. SUPPLIES AND MATERIALS

Supplies and materials necessary to complete the project. Supplies/materials must make a direct and logical contribution to the project's purpose and deliverables (including tasks and subtasks, as appropriate). Supplies/materials must be the minimum amount necessary to accomplish the project; purchasing extra supplies/materials to "stock the cache" for post project management activities is prohibited. Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total equipment costs.

Description of Role	Unit	Unit of Measure	Unit Cost	SNPLMA	Non-Federal Contribution
Picnic Tables	10	each	\$ 3,500	\$ 35,000	\$ -
Fire Rings	10	each	\$ 385	\$ 3,850	\$ -
Garbage/Recycle Containers	10	each	\$ 1,200	\$ 12,000	\$ -
Free Standing Grills	10	each	\$ 1,000	\$ 10,000	\$ -
Fee Station and Kiosk	1	each	\$ 16,000	\$ 16,000	\$ -
ADA Material Costs for Campsites and Bathrooms	2	each	\$ 18,000	\$ 36,000	\$ -
Corral Supplies	1	each	\$ 15,000	\$ 15,000	\$ -
Restoration/Invasive Plant Supplies	1	each	\$ 6,500	\$ 6,500	\$ -
Hand Tools	1	each	\$ 4,000	\$ 4,000	\$ -
Shade Structures	10	each	\$ 10,000	\$ 100,000	\$ -
Bridge Materials for Trails (lumber, cement, i-beams, stains)	5	each	\$ 18,000	\$ 90,000	\$ -
Licenses, Subscriptions and Office Supplies	1	each	\$ 3,000	\$ 3,000	\$ -
Concrete for parking, ADA sites	1	each	\$ 5,400	\$ 5,400	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -

<b>Total</b>	<b>\$</b>	<b>336,750</b>	<b>\$</b>	<b>-</b>
--------------	-----------	----------------	-----------	----------

**6. CONTRACTS AND AGREEMENTS**

Contracts and/or agreements (grants, cooperative agreements, assistance agreements, stewardship agreements, interlocal or state agreements, etc.) necessary to implement the project's purpose and deliverables (including tasks and subtasks, as appropriate). Extra or more robust documentation may be necessary if the contract and/or agreement is for multiple projects (e.g. a Master Agreement or CESU agreement). Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total grant and agreements used to implement the project.

Description of Role	Unit	Unit of Measure	Unit Cost	Subtotal	Non-Federal Contribution
Archaeological Surveys and Reports for Osceola Ditch Documentation 6.3 miles	1	Job	\$ 300,000	\$ 300,000	\$ -
Fenceline Construction, including Vegetation Removal	1	Job	\$ 150,000	\$ 150,000	\$ -
NEPA Compliance (EA if needed)	1	Job	\$ 95,000	\$ 95,000	\$ -
Contract - Purchase and Installation of Restrooms	1	Job	\$ 40,000	\$ 40,000	\$ -
Contract - Fabrication of Interpretive Displays/Panels	1	Job	\$ 6,000	\$ 6,000	\$ -
Contract - Rehab and Improve Campground Rock Walls	1	Job	\$ 100,000	\$ 100,000	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -

Total	\$	691,000	\$	-
-------	----	---------	----	---

**7. VEHICLE USE**

Use of an agency/entity vehicle, purchase of a new vehicle, rental of vehicle, or any other vehicle use not covered under Equipment. If possible, use the agency/entity fixed operation rate (FOR) multiplied by the unit (miles or hours) over the life of the project. The FOR includes depreciation and wear and tear on the vehicle tires, wiper blades, routine vehicle maintenance, etc. If special tires or replacement tires or other vehicle equipment is necessary, please show it under "Equipment." Vehicle expenses must make a direct and logical contribution to the project's purpose and deliverables (including tasks and subtasks, as appropriate). Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total vehicle use to implement the project.

Description of Role	Unit	Unit of Measure	Unit Cost	Subtotal	Non-Federal Contribution
GSA Vehicles (3 months for 6 months a year for 5 years)	90	months	\$ 595	\$ 53,550	\$ -
GSA Dump Truck (1 vehicle for 6 months a year for 4 years)	24	months	\$ 1,200	\$ 28,800	\$ -
GSA Transport (1 vehicle for 3 months a year for 4 years)	12	months	\$ 1,200	\$ 14,400	\$ -
GOV Loader (1 vehicle for 6 months a year for 4 years)	24	months	\$ 425	\$ 10,200	\$ -
GOV Grader (1 vehicle for 3 months a year for 4 years)	12	months	\$ 425	\$ 5,100	\$ -
GOV Water Truck (1 vehicle for 3 months a year for 4 years)	12	months	\$ 500	\$ 6,000	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -

<b>Total</b>	\$	118,050	\$	-
--------------	----	---------	----	---

### 8. OTHER NECESSARY EXPENSES

Other Necessary Expenses are time and materials necessary for project implementation but are not specific to any one deliverable (including tasks and subtasks, as appropriate). If you included the labor, equipment, and/or supplies and materials in the other sheets, do not include them here. Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total other necessary expenses to implement the project. This is not a complete list. Contact the SNPLMA Division for guidance on other necessary expenses.

Description of Role	Unit	Unit of Measure	Unit Cost	Subtotal	Non-Federal Contribution
(ex) Construction site security	0	day/month/ job	\$ -	\$ -	\$ -
(ex) NEPA, Section 106	0	Hours	\$ -	\$ -	\$ -
(ex) Financial audit support		Hours		\$ -	\$ -
(ex) Supervision and oversight of SNPLMA-funded staff and/or contractors (not directly billed under Tab# 1 - Personnel)		Hours		\$ -	\$ -
(ex) Rental/temporary trailer/employee workspace		Hours		\$ -	\$ -
(ex) IT services to install hardware, software, or service SNPLMA-funded computer equipment		Hours		\$ -	\$ -
(ex) Cell phones for project staff (not included under Tab# 4 - Equipment)		each/month		\$ -	\$ -
(ex) Furniture and fixtures for SNPLMA-funded employee workspace		each		\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -

<b>Total</b>	\$	-	\$	-
--------------	----	---	----	---

**SNPLMA Round 20  
Capital Improvements Project Addendum**

**Nomination:** Tab 4

**Entity:** Bureau of Reclamation, Lower Colorado Basin, Hoover Dam

**Project:** Hoover Dam Visitor Tour Route's Refurbishment

**Remarks/Clarifications Needed:**

**Section A – Background Information:**

1. Item a. "Describe Relationship to Prior Approved Projects and/or Phases Relevant to this Project (SNPLMA funded or not), and any anticipated Future Phases."  
**One relevant project not listed, BR07, (13-3) "Hoover Dam: Nevada Spillway House rehabilitation/ enhancement; and restoration/preservation of top-of-dam historic cultural features". Project was terminated for lack of progress approximately halfway through.**

**Section D - Project Deliverables-Primary:**

1. Bullet #1 "Refurbish and improve the Hoover Dam tour route interior spaces and Top of Dam tour routes (including but not limited to: terrazzo floors, elevator doors, benches, fixtures and finishes, sound systems and sound panels, drip panels, and lights.)  
**This seems a very generic mixture of items. Recommend breaking these out (i.e. the Viewing Platform in the Adit, the generator balcony overlook, Dam Tour tunnel, Powerplant Tour tunnel, etc.), as separate Primary Deliverables to help estimate costs. Items also need quantifying, appx how many feet of terrazzo floor, how many benches, etc. This information will help get a better cost estimate, BOR has a history of underestimating projects then requesting SARs.**
2. Bullet #2 "Purchase and install energy efficient lights to provide improved viewing of paths through tunnels and on the viewing platforms."  
**Needs quantifying, appx how many lights?**
3. Bullet #3 "Develop updated and new interpretive content and install a variety of replacement and new, accessible exhibits, approximately twelve, including multi-lingual content in locations along the tour routes."  
**Appx how many languages?**
4. Bullet #4 "Address accessibility issues within the scope of spaces identified for this project including, approximately three new low vision assisting devices and approximately four new comfort amenities."  
**Needs clarifying, what is a 'comfort amenity', couches, bathrooms?**
5. Bullet #5 "Design and install up to three shade covers for exterior areas to alleviate direct sun exposure to exhibits, escalators and visitors."  
**Needs quantified, appx how much area, how many feet?**

### **Section F – Project Timeframe:**

1. Year 1 “SHPO/Historic Properties consultation”  
**SHPO consultation for top of dam brass doors completed with BR07.**

### **Section G – Level of Project Readiness for Implementation:**

1. Project is stating it is ‘shovel-ready though nomination states NEPA and SHPO consultation are not done.

### **Section K – Ranking Criteria:**

1. Criteria #1 CONNECTIVITY; Item A  
Entity Answer: “The project will provide new and/or upgrade existing features to meet ADA/ABA requirements which will improve accessibility for all.”  
**Where would these new features/upgrades be? Are they areas SHPO may be concerned with?**
2. Criteria #5 LIFECYCLE REPLACEMENT/RECONSTRUCTION AND DEFERRED MAINTENANCE Nomination may not qualify for points under this criterion, as it states “Does not include reconstruction, changes, or new amenities for previously approved SNPLMA capital improvement projects.”  
**A portion of this nomination is a repeat of a past SNPLMA project, “Hoover Dam: Nevada Spillway House rehabilitation/ enhancement; and restoration/preservation of top-of-dam historic cultural features” (Project #BR07, SNPLMA Priority #13-3). Project was terminated halfway through, and it is unclear if dam top brass doors, terrazzo, and/or bas reliefs were cleaned/restored/repared.**

### **Budget - Excel Spreadsheet:**

#### **Personnel Tab**

- \$234,000 SNPLMA and \$50,000 BOR for Project Manager.  
**Partly charged to SNPLMA and part paid by BOR. How does BOR determine what days/actions get charged to which account?**
- \$101,400 for Contracting Officer Representative (COR).  
**COR and project manager usually same person.**
- \$20,800 for Engineer Review.  
**Is this an outside contracted person, the BOR project managers are usually engineers.**

#### **Travel Tab**

- No travel is listed. What about Contracting Officer or Denver Service Center, will they need to conduct site visit(s)?

#### **Contracts and Agreements Tab**

- \$8,820,163 for “Contract for Renovation Construction and Interpretive Fabrication, Production and Installation”.  
**One contract for construction, terrazzo tile, interpretive, et all?**

**Southern Nevada Public Land Management Act  
Capital Improvements  
Round 20**

Bureau of Reclamation



**Hoover Dam Visitor Tour Route's Refurbishment**

Amount Requested: \$10,955,639.58

## A. BACKGROUND INFORMATION

Hoover Dam is a world-class tourist attraction and engineering marvel listed on the National Register of Historic Places and designated as a National Historic Landmark. An estimated five million people visit the dam every year. It is also named as one of the seven wonders of the modern world by the American Society of Civil Engineers.

The Visitor Tour Route's Refurbishment project will expand access to the tours and improve the overall Hoover Dam tour experiences for all visitors. The project restores, improves, and adds (where applicable) features on walking paths along the guided and self-guided tour routes including viewing platforms that are part of the Powerplant and Dam Tour routes.

This project refurbishes portions of guided and self-guided tour routes not included in prior Visitor Center refurbishment projects completed or underway. This project includes the rock tunnels, viewing balconies and platforms, dam tunnels and areas around the tour entrance and exits. These areas lack accessibility features to meet current ADA/ABA standards, particularly, features for the visually and hearing impaired. Guided tour routes also lack multi-lingual features to help non-English speaking guests fully enjoy the tour experience. Existing finishes and fixtures have exceeded their useful life and require major refurbishment or replacement.

The work will include; repairing/refinishing existing historic plaques around the dam elevator doors and across the top of the dam, refurbishment of the brass and aluminum doors along the tour routes, adding multi-lingual signage and/or other elements to improve non-English speaking guests experience; repairing, improving and repainting walls; adding new and repairing/improving covered areas to protect visitors from the sun around the tour entrances and water diversion panels to protect visitors from seepage in the rock tunnels; improve lighting; improve sound quality in areas where guides speak; improve and add additional accessible benches; repair and/or refinish historic terrazzo floors along the tour routes inside the dam and powerhouse.

### Proposed Project Milestones

- Contract Architectural and Engineering design services for both guided and self-guided Dam Tour Routes.
- Contract for development of all interpretive materials
- Construction of visitor tour route interior renovations
- Construction of exterior route improvements
- Installation of interpretive/amenities throughout site
- Project completion is determined when all tasks in the SNPLMA project have been completed, all invoices have been paid, work has been accepted, and releases of claims have been received.

#### **a. Describe Relationship to Prior Approved Projects and/or Phases Relevant to this Project (SNPLMA funded or not), and any anticipated Future Phases**

Although not considered a “phase” this project would supplement the Hoover Dam Visitor areas rehabilitation efforts complementing prior projects which are: Visitor Center (VC) Theater Level Renovation (SNPLMA Round 16, BR11) completed in 2018, VC Exhibit Level Renovation (SNPLMA Round 17, BR 12) currently ongoing, Monument Plaza Restoration (SNPLMA Round 17, BR13) currently ongoing, Hoover Dam Observation Area Enhancements (SNPLMA Round 18, BR14) currently ongoing, and VC Theaters Renovation (SNPLMA Round 19, BR 15) currently ongoing. All prior approved projects have been funded by Hoover and SNPLMA funding.

**b. Acknowledgement of Stand-Alone Project and no Guarantee of Funding for Future Phases**

Reclamation acknowledges this is a stand-alone project and there is no guarantee of funding for future phases.

## **B. EXECUTIVE COMMITTEE'S SNPLMA STRATEGIC PLAN VALUES**

Capital Improvement projects have two goals identified in the Strategic Plan:

- Goal 1: Sustain the quality of the outdoor environment by conserving, preserving, and restoring natural and cultural resources.
- Goal 2: Improve the quality of life for all publics in urban and rural communities by enhancing recreational opportunities that connect people with the outdoor environment.

Nominated projects should meet these two goals by focusing on the three SNPLMA core values, connectivity, sustainability, and community. Every nomination must explain how the three values are promoted by the project.

- **Connectivity**

The project will help visitors connect with the history and past culture of the Hoover Dam site including linking people with how the dam fits in and interacts with the surrounding natural environment, enhance their understanding of the important role the dam plays in the southwest while adding and/or improving interpretive and way-finding signage that comply with accessibility requirements on tour routes. In addition to improving tour routes, benches and other areas will be brought to current ADA/ABA standards and add multi-language features for non-English speaking visitors.

- **Sustainability**

The project will restore and modernize the tour routes and features along guided and self-guided tour routes to ensure the visiting public can enjoy and learn about the historic Hoover Dam and its surrounding environment for many generations. The project amenities and upgrades will be durable through the minimum of their useful life of 15 to 30+ years. The amenities will use sustainable practices and help conserve the natural and cultural resources by improving informing for visitors on walking paths and about the importance of protecting and preserving the areas including the surrounding natural environment. In addition, the project will stabilize and restore and help improve historic features and/or improve the viewing of historic features.

- **Community**

This project provides outdoor recreational opportunities that improve the quality of life and accessibility for the public and encourages interaction with nature by improving access to an area dense with natural and human built features. Improvements proposed in this project will provide interpretive information on the development of the site from its natural state through today. It will also provide interpretive information visible from the various walking routes and viewing platforms on the guided tour, along with educational information on conservation and preservation of our natural resources. The proximity to the Las Vegas metro area provides easy access for short term visitors to the area and enhancing projects encourages revisiting from our local communities as well STEM students. Visitors will be inspired through an understanding of the technological efforts required to build the dam and the role renewable

energy plays in securing reliable western power supplies and the importance of the natural biological community and natural environment surrounding the dam.

### **C. PURPOSE STATEMENT**

The purpose of the project is to improve the visitors experience, expand accessibility and enhance visitors understanding of Hoover Dams history and current role as well as the natural environment surrounding the dam. The project will improve, modernizing and upgrade, the infrastructure, signs/monuments, and other features along the tour routes at Hoover Dam.

### **D. PROJECT DELIVERABLES**

#### Primary:

- Refurbish and improve the Hoover Dam tour route interior spaces and Top of Dam tour routes (including but not limited to: terrazzo floors, elevator doors, benches, fixtures and finishes, sound systems and sound panels, drip panels, and lights.)
- Purchase and install energy efficient lights to provide improved viewing of paths through tunnels and on the viewing platforms.
- Develop updated and new interpretive content and install a variety of replacement and new, accessible exhibits, approximately twelve, including multi-lingual content in locations along the tour routes.
- Address accessibility issues within the scope of spaces identified for this project including, approximately three new low vision assisting devices and approximately four new comfort amenities.
- Design and install up to three shade covers for exterior areas to alleviate direct sun exposure to exhibits, escalators and visitors.

#### Anticipated:

- None anticipated.

#### Standard:

- SMART quarterly status updates;
- SMART annual and final accomplishment reports;
- NEPA compliance including Cultural compliance (section 106) based upon the statement of work and associated documents with Nevada State Historic Preservation Office, National Landmarks Program (as appropriate), and the Advisory Council for Historic Preservation (as appropriate) for construction;
- Scoping meetings.
- Accessibility reviews;
- Meetings with contracting and development of solicitation;
- Site visit, TPEC, and post award activities for contract(s);
- Inspection of contractor(s) work;
- Communication with stakeholders (local community, visitors, power contractors, etc.) through all phases of work;
- Final review of construction work and close-out (release of claims); and
- Final Close-out of the project.
- Close out paperwork to complete SNPLMA project.

### **E. PROJECT LOCATION**

**Identify County in Nevada where Project will be carried out:**

Clark County

**Identify Congressional District(s):**

AZ-4, NV-3

**Latitude and Longitude:**

36.01623°, -114.737118°

**F. PROJECT TIMEFRAME**

The project will take five (5) years to complete. Tentative milestones are planned as follows:

Year 1

- Obtain work plan approval and funding authorization
- Complete planning and design and NEPA compliance, including:
  - Solicitation of design and interpretive services
  - Conceptual design
  - NEPA Scoping meetings
  - SHPO/Historic Properties consultation
  - Decision document
  - Begin detailed design work

Year 2

- Complete detailed design work
- Contracting for construction through build out, including:
  - Develop solicitation package
  - Solicitation of the construction contract
  - Contract negotiations
  - Contract award

Year 3-4

- Construction, including:
  - Mobilization (bonds, security checks, etc.)
  - Construction through full build-out
  - Agency acceptance as complete
  - Payment of final invoice, close-out of contracts
  - Release of claims

Year 5

- Project close-out with SNPLMA
- Final site inspection
- Final review of project file and expenditures
- Request for close- out
- SNPLMA close-out of the funding authorization

## G. LEVEL OF PROJECT READINESS FOR IMPLEMENTATION

Is this a shovel-ready project?  Yes  No

Reclamation has completed a thorough analysis of the requirements and has a solid level of understanding of the scope of work and level of effort required. The scope of this project is well defined, and Reclamation is prepared to procure design and construction contracting immediately upon funding.

Much of the work (design, construction, interpretive content development and fabrication) will be contracted and some of the work will be done in-house. Reclamation is staffed with a full-time, federal workforce experienced in this type of work and will be dedicated to the success of this project. A Project Manager and Contracting Officer's Representative (COR) have been tentatively identified who are familiar with the work to be performed in this project. Civil, electrical, and mechanical engineers and skilled craft personnel are available for consultation and review of technical requirements. No additional staffing is required for the completion of this project. Once funded, the work will begin immediately.

**Have you applied, received, or is there the opportunity to obtain funding from another source for this project? Please list the additional funding opportunities received or applied for and indicate whether it is federal or nonfederal funding.**

No. There are no other sources of funds available for this project.

## H. FUTURE OPERATING AND MAINTENANCE

The work will have minimal impact on future operation and maintenance. The work does add some minor infrastructure to Hoover Dam, but the benefits of improvements and upgrades to existing infrastructure will likely offset any additional costs of new infrastructure. No additional funds will be required to be budgeted for this work for Operations and Maintenance. Any required O&M costs will be the responsibility of the Power Customers. The projected life of the major features of the project is 15 - 30 years depending on the specific element of the project.

## I. PROJECT BUDGET

Complete the project budget using the provided Excel spreadsheet template and upload as a separate document to the "Submissions" tab in the Nomination Portal. Do not embed the project budget in this document.

### Partnership and/or Contributed Funds

This nomination request is for improvements to the interior and exterior space at Hoover Dam, including tour routes, inside and outside around the tour entrances and exits. Hoover Dam/Reclamation will contribute \$100,000 in funds directly applicable to the completion of the project, consisting of a portion of labor cost related to administration, contracting and project management support.

## **J. KEY CONTACTS**

Authorized Officer: Terri Saumier, Manager, Facility Services, Area Manager's Office, Management Group, BOR  
 Email: tsaumier@usbr.gov  
 Phone Number: (702) 494-2822

Project Manager: Eddie Lopez, Civil Engineer-Engineering Office, LCDO Engineering Group  
 Email: eddielopez@usbr.gov  
 Phone Number: 702-494-2863

Budget Officer: Alton Blalock Budget Analyst • FMO - Budget, Performance and Policy Group  
 Email: ablalock@usbr.gov  
 Phone Number: 702-293-8437

## **K. RANKING CRITERIA**

The Ranking Criteria are used to evaluate the nomination against the goals for the Capital Improvements category. Nominating entities are not to include either the total point value or the point values by criteria in their responses. Nominations will be reviewed and scored by the Capital Improvements subgroup. Explain how the project meets each applicable criterion.

1. **SUSTAINABILITY & MODERNIZATION:** The project supports, or plans to support, conservation, preservation, restoration, or modernization of natural, cultural, or historic resources (which includes infrastructure) to ensure availability of those resources for future generations. The agency has shown the project is feasible and will remain relevant and continue to provide benefit to a recreation user over the anticipated life of the project. Clearly explain what the anticipated design life of the project is and identify what and how the natural resources will be sustained.
  - A. *A new project or facility, or planning for a new project or facility, including employee housing, designed specifically to engender conservation stewardship and provide new opportunities within the management area that is ecologically, economically, and socially sustainable for present and future generations and restore*

*or preserve natural resources or cultural resources of the area. Directly supports the conservation and stewardship of natural and cultural resources.*

Answer: The project does not meet this criteria/factor.

*B. Modernization or rehabilitation, or planning for the modernization or rehabilitation, of an existing project, facility and/or amenities to enhance the visitor experience, improve unit operations, and reduce or eliminate user impacts to the natural or cultural resources, or restore natural processes within the immediate project area.*

Answer: The proposed Visitor Guided and Self-Guided Tour Route refurbishment will modernize existing facilities and amenities to enhance the experience of hundreds of thousands of visitors taking guided tours and millions of visitors that will enjoy the outdoor improvements. In addition, development of the interior tour route balcony overlook areas provides new accessible amenities including benches, interpretive exhibits that provide socially sustainable ways for present and future generations to enjoy Hoover Dam's historical cultural resources such as refurbishment of the historic brass and aluminum doors and terrazzo floors.

*C. Planning of, or conservation and stabilization, restoration, or rehabilitation of, significant historic buildings, cultural sites, and other significant historic facilities for the present and future generations to enjoy and appreciate the areas cultural heritage.*

Answer: The project will rehabilitate/restore elements of the historic Hoover Dam. It will improve opportunities and the experience for present and future generations to enjoy the features within the Hoover Dam security zone and provide an understanding of their historical, cultural, and modern-day significance. The proposed project will add new interpretive elements to improve accessibility and education along existing tour routes. The additional elements will enhance management of public lands by improving public access and enrich education through interpretive materials and exhibits.

*D. New facilities, or planning for a new facility, that enhances or improves management of public lands. These might include visitor centers, contact stations, and campgrounds to improve public access; housing for staff, interns, and volunteers to carry out programs for improved conservation, education; and curation facilities and workspace to improve conservation of natural and cultural resources and opportunity for educational programming.*

Answer: The project does not meet this criteria/factor.

2. **CONNECTIVITY:** The project provides, or plans to provide, recreational opportunities that link population centers, recreation facilities, and the user to the outdoors and natural landscapes. It encourages people to meaningfully connect with their natural environment,

thus helping them appreciate and care for the environment. The project will also connect the user to the history and/or cultural of the site and engages the user in appreciation of the site/area.

- A. *Provides, or plans to provide, new, upgraded, or modernized feasible access and/or amenities or infrastructure to previously under-served areas and/or new opportunities to enjoy/appreciate public lands (e.g., trails, kiosks with location maps and site information, roads, parking, way-finding, restrooms, day use or overnight camping).*

Answer: The project will provide new and/or upgrade existing features to meet ADA/ABA requirements which will improve accessibility for all.

- B. *Improves, or plans to improve, access to previously developed recreation areas and sites on public lands and/or rehabilitates, upgrades, or modernizes site amenities (e.g., improves access to trails, area or site information and way-finding, converts high clearance access roads to passenger vehicle accessible roads, and/or improves parking).*

Answer: The project will provide modernized amenities to developed areas along and around the tour routes such as shade and seating, and new and upgraded accessibility enhancements.

- C. *Provides, or plans to provide, new or additional recreation opportunities by connecting two or more existing recreational facilities/areas or cultural sites, and increased access to primitive or developed outdoor recreation and educational opportunities to meet increased user demand.*

Answer: The project does not meet this criteria/factor.

- D. *Contains an outreach and education or stewardship component to improve public awareness and engage the public in the conservation and protection of the surrounding natural environment through the use of resource interpretation (e.g., information signage, kiosks, on-site docent accommodations, educational programs, restoration, revegetation, invasive species removal, cultural site protection).*

Answer: The project contains an outreach and educational component – it will provide educational interpretive elements to help illustrate how the dam relates to local natural environment. There will be an emphasis on water conservation.

3. **COMMUNITY:** The project provides, or plans to provide, or improves outdoor recreation opportunities to improve the quality of life, especially for underserved communities. It conserves or restores, or plans to conserve or restore, the functionality, resiliency, and integrity of biological communities, and/or addresses affordable employee housing. The project encourages partnerships, which in turn builds community.

*(Encourages and engages the public in the conservation and protection of the surrounding natural environment through use of volunteer/stewardship resources)*

- A. *Outdoor recreation projects that provide, or plans to provide, economic benefits to local communities and social benefit to the recreationist and are responsive to changing demographics. The project has demonstrated feasibility and has agreements or partnerships in place for the planning, design, implementation, and/or management of the project.*

Answer: This project confers social benefits through enhanced accessible amenities designed to reach a broad demographic. Hoover Dam attracts visitors to the local communities. Improved Hoover Dam amenities could attract additional visitation providing greater economic benefits to the local communities and tour operators. Reclamation has the subject matter expertise for the planning, design, implementation, and management of the project.

- B. *Project has identified committed non-SNPLMA sources of funding or in-kind contribution for the planning, design, and development of the project.*

Answer: Hoover Dam will commit a minimum of \$100,000 to the project.

- C. *Project provides agency or unit support/administrative infrastructure in underserved areas to improve management of, conservation stewardship, educational programming, and access to, public lands.*

- D. Answer: Hoover Dam is visited by an estimated 5 to 6 million people a year, including approximately 9,000 local students annually. Through Reclamation Diversity and other Programs, the Dam provides targeted educational opportunities to students. The improvements, and upgrades will be available to visiting students, improving their education and recreation experience.

- E. *Supports, or plans to support, community through affordable employee housing to promote economic development, enhance the quality of life, and improve the productivity and management of public lands.*

Answer: N/A

4. **OPERATIONS AND MAINTENANCE:** The agency has clearly demonstrated that the anticipated operations and maintenance costs for the project and resources necessary to operate the project are within existing appropriations or demonstrated how they will secure the necessary operations and maintenance funds. *(Agency has detailed the estimated annual O&M costs, estimated use, and permit fees to be collected, if applicable.)*

- A. *The agency has demonstrated that the project is feasible and current appropriations are sufficient for the operations and management of the new project or that O&M costs will be reduced after reconstruction and will be offset by concessionaire or volunteer labor for O&M.*

Answer: Operations and maintenance funding for the Hoover Dam is provided via a contract with Power Contractors for Hoover Dam. It is not anticipated that this project will add any appreciable cost to existing budgets and may actually help reduce costs.

- B. *Volunteers or partners will be responsible for operation and maintenance of the project and agency funds will not be needed.*

Answer: Reclamation will be responsible for the operation and maintenance of the project.

- C. *The agency has included the current O&M costs, if any, and how this project will reduce current operations and maintenance costs. The entity has clearly shown what the anticipated savings will be, and/or how the project will reduce water use or energy costs for utilities or other O&M costs.*

Answer: It is anticipated that some of the elements of the project will replace and upgrade some features with more durable designed systems which will reduce required operations and maintenance costs for repairs. The project is anticipated to replace lighting fixtures with more energy efficient lighting and will have some energy cost savings.

- D. *Project would improve, or plans to improve, energy efficiency and/or independence.*

Answer: The proposed Visitor Tour Route improvements will enhance energy efficiency and incorporate the use of sustainable materials.

##### 5. **LIFE CYCLE REPLACEMENT/RECONSTRUCTION AND DEFERRED**

**MAINTENANCE:** Any existing project or facility that has met or exceeded its useful life, design life, or life cycle that requires major restoration or reconstruction, or plans for major restoration or reconstruction, to restore the historic fabric of the facility or meet standard new Federal accessibility guidelines. *(Does not include reconstruction, changes, or new amenities for previously approved SNPLMA capital improvement projects. Excludes projects that were identified as phased construction, each phase must be fully operational and serve the intended purpose upon completion.)*

- A. *The project remains relevant, but has exceeded its useful design life, does not meet current federal accessibility standards, or deferred maintenance costs exceed the cost of replacement or reconstruction.*

Answer: Hoover Dam Tours hosts approximately 800,000 visitors per year. Hoover Dam internal visitor tour route finishes have exceeded their useful lives and the levels have deficiencies non-compliant with current federal accessibility standards. Refurbishment will extend the useful life. Outdoor spaces around the tour entrances and exits are enjoyed by guided tour guests but are also available to the million visitors walking around the top of the dam. These tour routes were not developed for their current function and visitation and enhancements are required to comply with accessibility standards.

*Current use has exceeded the original planned visitation/use and impacts have created a need to replace or reconstruct, or plans to replace or reconstruct, the facility earlier than originally intended and increased deferred maintenance costs exceed the cost of replacement or reconstruction. The project proposal shows the current annual.*

*B. maintenance costs and the anticipated savings after construction/reconstruction is complete.*

Answer: No, the project does not meet this criteria/factor.

## L. ORDERS AND PRIORITIES

Respond to the Executive Orders, Secretarial Orders, Department of the Interior Priorities, and USDA Forest Service Priorities as they apply to the purpose of the nomination.

### 1. Executive Orders (EO):

#### 0. ***EO No. 13855: Promoting Active Management of America's Forests, Range Lands to Improve Conditions and Reduce Wildfire Risk***

Not applicable

#### 1. ***EO No. 14004: Ensuring the Future is Made in All of America by All of America's Workers***

Reclamation will include the Buy American Act in all contracts and ensure compliance through review of material submittals by the contractors to the Government.

#### • ***EO No. 14063: Use of Project Labor Agreements for Federal Construction Projects (applicable to projects estimated at \$35 million or more)***

For phased construction Reclamation will comply if applicable

#### • ***EO No. 14072: Strengthening the Nation's Forests, Communities, and Local Economies***

Not applicable

#### • ***EO No. 14096: Revitalizing Our Nation's Commitment to Environmental Justice for All***

Fully accessible restrooms will make Hoover Dam an engaging experience for all visitors

### 2. Secretarial Orders

#### 1. ***SO No. 3347: Conservation Stewardship and Outdoor Recreation.***

Reclamation will enhance conservation stewardship through interpretive materials in/ along the self-guided and guided tour routes and enhance outdoor recreation opportunities by providing ADA/ABA accessible benches and other features throughout the tour routes in Hoover Dam.

2. ***SO No. 3356: Hunting, Fishing, Recreational Shooting, and Wildlife Conservation Opportunities and Coordination with States, Tribes and Territories.***

*Not applicable*

3. ***SO No. 3362: Improving Habitat Quality in Western Big-Game Winter Range and Migration Corridors.***

*Not applicable*

4. ***SO No. 3366: Increasing Recreational Opportunities on Lands and Waters Managed by the U.S. Department of the Interior***

Installed ADA/ABA features and interpretive materials for non-English speaking guests will expand public opportunities

5. ***SO No. 3370: Conservation Stewardship and Increasing Public Access to Urban National Wildlife Refuges.***

Not applicable

6. ***SO No. 3372: Reducing Wildfire Risks on Department of the Interior Land Through Active Management.***

Not applicable

7. ***SO No. 3373: Evaluating Public Access in Bureau of Land Management Public Land Disposal and Exchanges (focus is on Sec. 4.b.(3) Potential increased public recreational access to existing public lands resulting from the proposed land acquired through an exchange (acquisition)).***

*Not applicable*

8. ***SO No. 3376: Increasing Recreational Opportunities through the use of Electric Bikes.***

Hoover Dam is currently completing environmental compliance to permit electric bike use within the Security Zone. Adequate restroom facilities are essential to optimizing the biking experience.

3. Department of the Interior Priorities:

- ***Identifying steps to accelerate responsible development of renewable energy on public lands and waters. We are investing in climate research and environmental innovation to incentivize the rapid deployment of clean energy solutions, while***

*reviewing existing programs to restore balance on America's public lands and waters to benefit current and future generations.*

Answer: Hoover Dam produces renewable hydropower which is an essential component in the nation's renewable energy portfolio. Educating the public about this critical resource brings awareness to a broader understanding of clean energy.

- ***Strengthening the government-to-government relationship with sovereign Tribal Nations.*** *We understand that tribal sovereignty and self-governance, as well as honoring the federal trust responsibility to Tribal Nations, must be the cornerstones of federal Indian policy.*

Answer: In the current 50-year contract implemented in 2018, the opportunity for sovereign Tribal nations to contract directly with Reclamation to buy Hoover Dam power was opened. Twenty-three tribal nations are among the forty-six customers that currently hold Hoover Dam power contracts.

- ***Making investments to support the Administration's goal of creating millions of family-supporting and union jobs.*** *This includes establishing a new Climate Conservation Corps Initiative to put a new generation of Americans to work conserving and restoring public lands and waters, increasing reforestation, increasing carbon sequestration in the agricultural sector, protecting biodiversity, improving access to recreation, and addressing the changing climate.*

Answer: The design effort includes site investigation work required to complete this planning project will be contracted out, creating jobs for unionized workers at government-mandated wage levels supporting families. We estimate approximately 45-60 workers will be employed over the project design timeframe and significantly more during the construction phases.

- ***Working to conserve at least 30% each of our lands and waters by the year 2030.*** *We will work to protect biodiversity, slow extinction rates, and help leverage natural climate solutions by conserving 30% of America's lands and waters by 2030. This relies on support for local, state, private, and tribally led conservation and restoration efforts that are underway across America.*

Not applicable

- ***Centering equity and environmental justice.*** *The impacts of the multiple crises in the United States are not evenly distributed in our society. Communities of color, low-income families, and rural and indigenous communities have long suffered disproportionate and cumulative harm from air pollution, water pollution, and toxic sites. At every step of the way, Interior will engage diverse stakeholders across the country, as well as conduct formal consultation with Tribes in recognition of the U.S. government's trust responsibilities.*

Answer: Hoover Dam provides water to 22 million people and enough power to serve 1.3 million people in Southwestern United States, including residents of sovereign Tribal nations, communities of color and low-income families.

4. USDA Forest Service Priorities:

- ***Controlling the COVID-19 pandemic***

Not applicable

- ***Providing economic relief***

Not applicable

- ***Tackling climate change***

**Not applicable**

- ***Advancing racial equity***

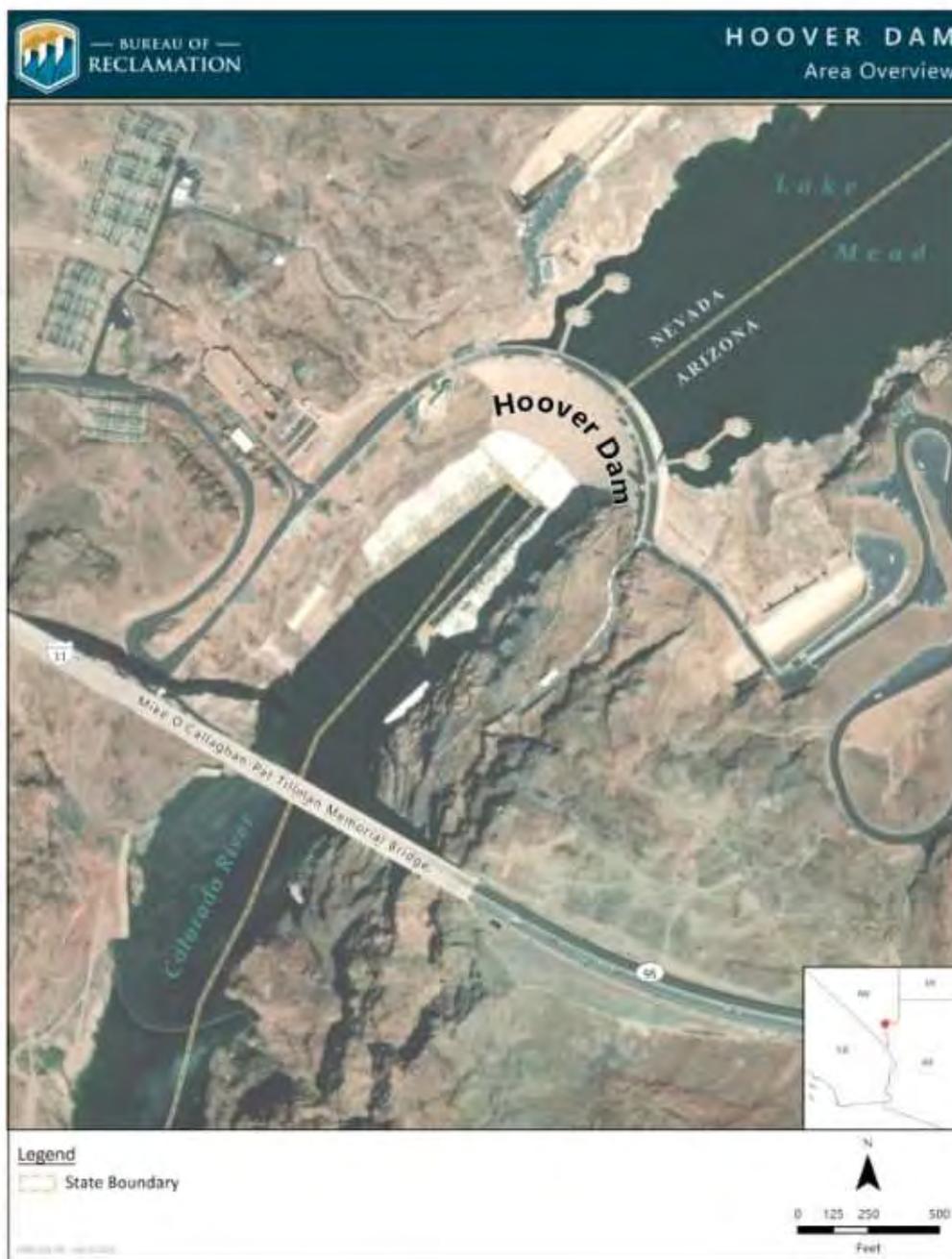
Not applicable

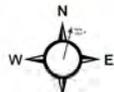
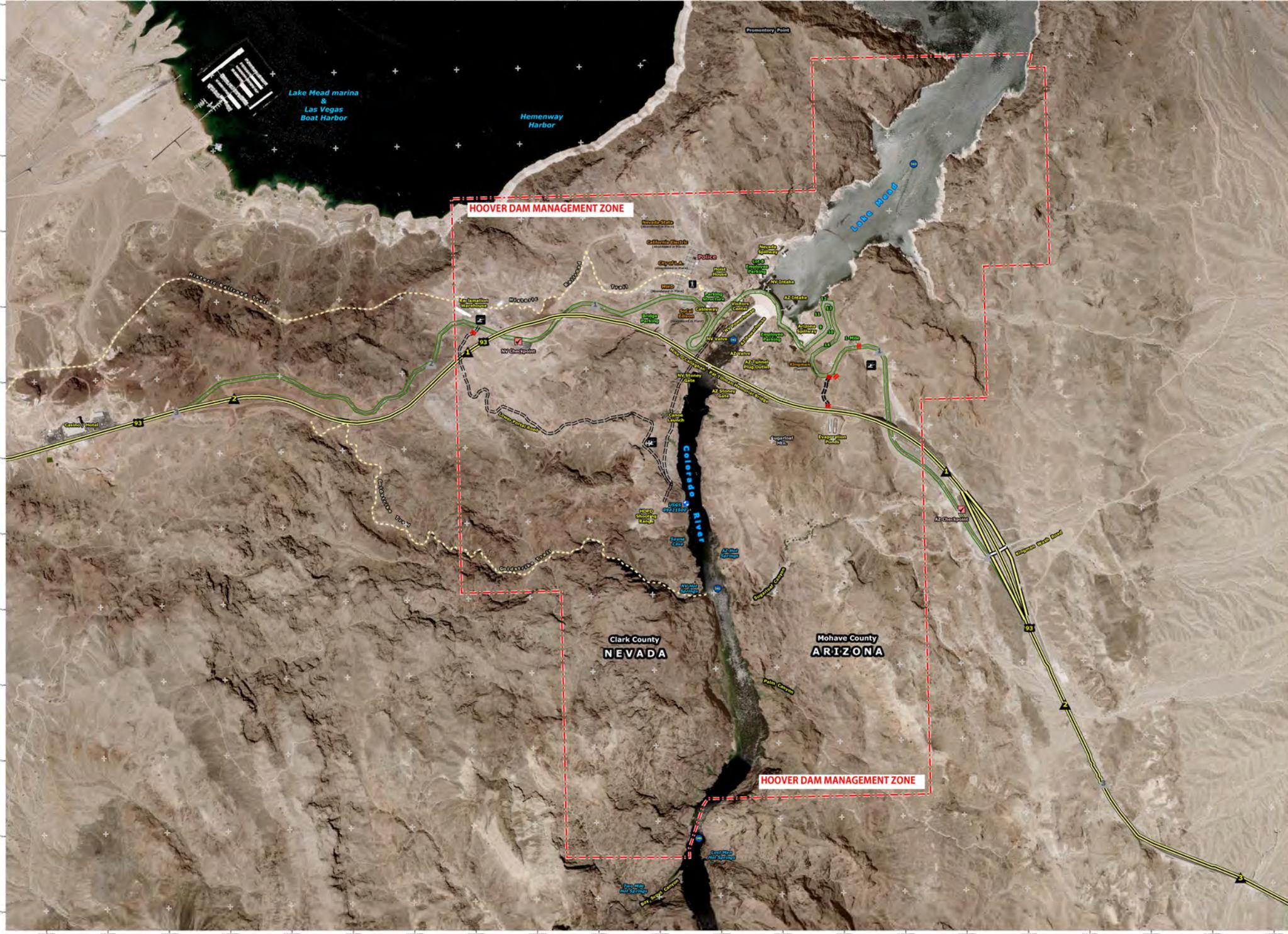
- ***Improving our workforce and work environment***

Not applicable

## M. MAPS

Maximum of six maps, labeled with a description. Maps must include a scale, title, the author, north arrow, date and time or preparation, and a legend. Insert here and upload maps as JPEG in the Nomination Portal.





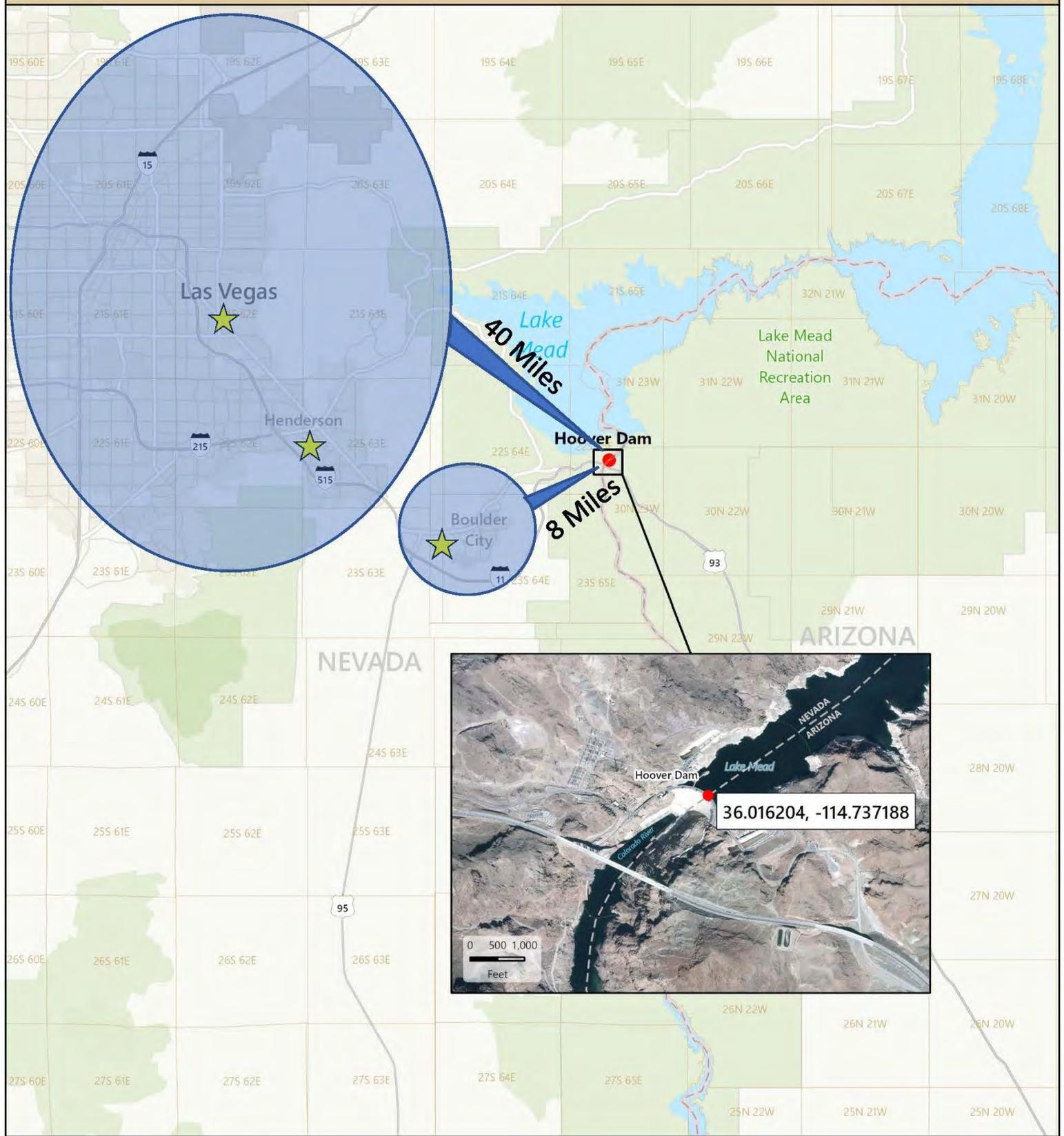
1 : 7250



# HOOVER DAM MANAGEMENT ZONE

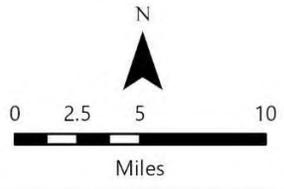
prepared by: Regional Office, 02/09/2009

LEGEND	
	Hoover Dam Security Zone
	River Mile (BICR)
	US-93 Mile Marker (post-Report)
	US-93 Mile Marker (pre-Report)
	Helicopter Landing Zone
	River Gage (USGS)
	Point of Interest

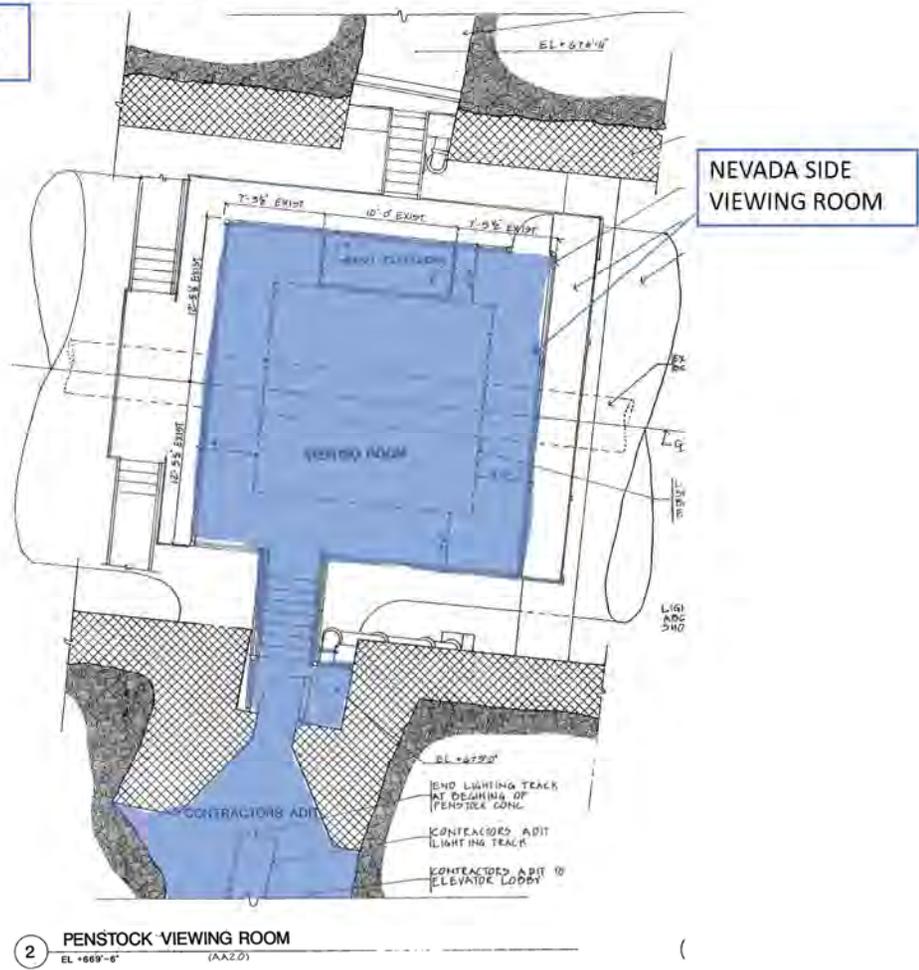
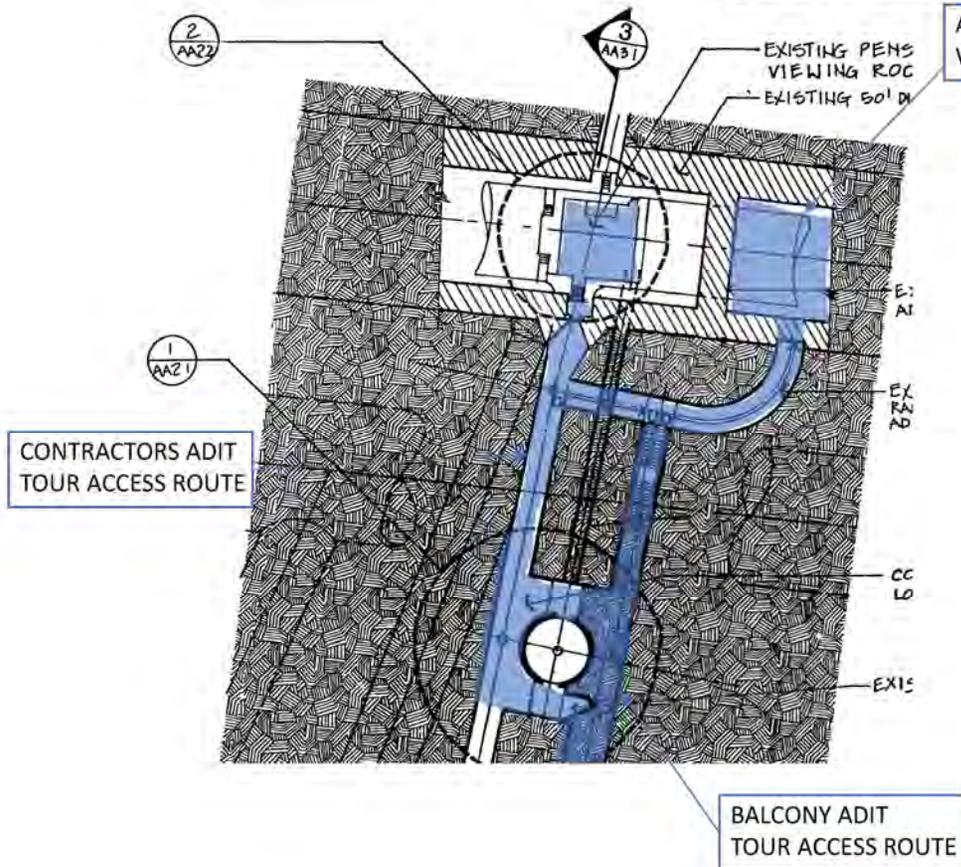


**Notes**  
See Map 3 - Strategic Plan Values Map for area within scope.

**Legend**  
 ● Project Location  
 ★ City Locations



**STRATEGIC PLAN VALUES MAP**  
**EXHIBIT C**  
**VIEWING PLATFORMS – NEVADA SIDE**



By: Eddie Lopez, Date: 11/1/23, Time: 11:00AM

## N. PHOTOS

Maximum of six photos, up to 20mg each or less. Provide descriptions. Insert here and upload photos as JPEG in the Nomination Portal.



Improve ADA/ABA access, improve lighting, and replace and/or repair dilapidated water seepage diversion structures in the tunnels.



Restoration of existing historic brass plaques and doors



Repair/rehabilitate terrazzo floors, replace sound panels and sound system used on guided tours, replace benches





Restoration of viewing platform, repair or replace deteriorated fixtures and finished, improve interpretive exhibits, improve lighting, and replace sound system



Construct shade cover over escalator and improve wayfinding and tour information

**SNPLMA ROUND 19 NOMINATION  
Capital Improvements**

**Performance Measures**

<b>SNPLMA FY2020-FY2024 STRATEGIC PLAN GOAL 1: Sustain the Quality of the Outdoor Environment by Conserving, Preserving, and Restoring Natural and Cultural Resources</b>		
<b>Performance Measures for Habitat Enhancement</b>	<b>Definition of Performance Measure</b>	<b>Quantity</b>
H2 - Miles of Riparian Stream or Shoreline Habitat Treated, Enhanced, or Restored	Report the number of miles of riparian stream and/or shoreline vegetation and/or wildlife habitat treated, enhanced, or restored. This can include retreatment and/or maintenance treatments only if the initial treatment was not funded through SNPLMA and the miles have not been accounted for in the performance measures for another SNPLMA project. Include acres treated by fire for resource benefits, but not other types of wildland fire. Do not report treatments targeting invasive vegetation, as those should be reported under the H9 performance measure. Do not report hazardous fuels reduction projects, as those should be reported under either the F1 or F2 performance measures. Report to the nearest whole mile.	
H3 - Miles of Riparian Stream or Shoreline Habitat Surveyed, Inventoried, or Monitored	Report the number of miles of riparian stream and/or shoreline vegetation and/or wildlife habitat surveyed, inventoried, or monitored. Report to the nearest whole mile.	
H4 - Acres of Upland Habitat Treated, Enhanced, or Restored	Report the number of acres of upland vegetation and/or wildlife habitat treated, enhanced, or restored. This can include retreatment and/or maintenance treatments only if the initial treatment was not funded through SNPLMA and the acres have not been accounted for in the performance measures for another SNPLMA project. Include acres treated by fire rehabilitation projects or by fire for resource benefits, but not other types of wildland fire. Do not report treatments targeting invasive vegetation, as these should be reported under the H9 performance measure. Do not report hazardous fuels reduction projects, as these should be reported under either the F1 or F2 performance measures. Report to the nearest whole acre.	
H5 - Acres of Upland Habitat Surveyed, Inventoried, or Monitored	Report the number of acres of upland vegetation and/or wildlife habitat surveyed, inventoried, or monitored. Report to the nearest whole acre.	
H6 - Acres of Wetland / Riparian Habitat Treated, Enhanced, or Restored	Report the number of acres of wetland vegetation and/or wildlife habitat treated, enhanced, or restored. This can include retreatment and/or maintenance treatments only if the initial treatment was not funded through SNPLMA and the acres have not been accounted for in the performance measures for another SNPLMA project. Include acres treated by fire rehabilitation projects or by fire for resource benefits, but not other types of wildland fire. Do not report treatments targeting invasive vegetation, as these should be reported under the H9 performance measure. Do not report hazardous fuels reduction projects, as these should be reported under either the F1 or F2 performance measures. Report to the nearest whole acre.	
H7 - Acres of Wetland / Riparian Habitat Surveyed, Inventoried, or Monitored	Report the number of acres of wetland vegetation and/or wildlife habitats inventoried or monitored. Report to the nearest whole acre.	

H8 - Number of Water Developments Constructed or Improved for Wildlife	Report the number of water developments for use by wildlife constructed or improved/repared within all habitat types. Existing projects may be counted under this performance measure if functional improvements/repairs are made as defined in the project nomination. Report each development constructed or improved as one unit (e.g., one project may have three water developments).	
H9 - Acres of Invasive Plant Species Treated or Restored	Report the number of acres of weed infestation treated with chemical, mechanical, physical, or biological control agents for the purpose of weed control. Include acres treated by fire when fire is used as a physical control agent for weed control rather than as a hazardous fuels treatment. Each acre treated is counted only once during the life of the project, no matter how many re-treatments occurred during the project. Report to the nearest whole acre.	
H10 - Acres of Invasive Plant Species Surveyed, Inventoried, or Monitored	Report the number of acres of weed infestation inventoried or monitored. Include monitoring of weed treatment projects reported under performance measure H9. Report to the nearest whole acre.	
H14 - Number of Threatened and Endangered Species Recovery Actions Implemented	Report the number of individual recovery actions performed for threatened or endangered species recovery as identified in recovery plans, conservation management plans, or land use planning documents. Include surveys, inventories, and monitoring as recovery actions. Note: One distinct action repeated 5 times over the course of the project would report as 1 action, not 5. The same recovery action conducted at distinct sites can be counted once for each site (this does not apply to individual plots within one single project site). The number of acres over which the actions were taken are reported under either H4 or H6. Report each action as one unit.	
H15- Number of Conservation Actions Implemented for Non-Listed Species	Report the number of individual conservation actions for species not listed under the Endangered Species Act. Note: One distinct action repeated 5 times over the course of the project would report as 1 action, not 5. The same conservation action conducted at distinct sites can be counted once for each site (this does not apply to individual plots within one single project site).The number of acres over which the actions were taken are reported under either H4 or H6. Report each action as one unit.	
H16 - Miles of Roads or Trails Decommissioned and/or rehabilitated	Report the number of miles of roads and/or trails decommissioned and/or rehabilitated within all habitats (urban, upland, riparian, stream, trails in caves, etc.). Closure may include designation, signing, blockage by physical means, obliteration, etc. Report to the nearest whole mile.	
H17 – Miles of Roads or Trails Surveyed, Inventoried, or Monitored	Report the number of miles of roads and/or trails inventoried or monitored. Report to the nearest whole mile or linear foot. Report to the nearest whole mile.	
<b>Performance Measures for Cultural / Paleontological Resources</b>	<b>Definition of Performance Measures</b>	<b>Quantity</b>
C1 - Number of Cultural or Historic Sites or Structures Stabilized or Protected	Report the number (one unit for each site or each structure) where work is completed to protect, stabilize, restore, excavate, and/or manage cultural features. For sites receiving multiple treatments, count each site only once, but if multiple structures are on a site, count each structure separately. For example an archeological dig site would be counted as one although multiple excavations may take place on the site, whereas a site having remnants of three separate dwellings would be counted as three. Report installation of interpretive signs and structures (e.g., kiosk displays) under O6. Report administrative actions such as mineral withdrawals, closures, or special designations under H1. Report each site or structure as one unit.	1

C2 - Number of Cultural or Paleontological Artifacts Protected	<p>Report the number of cultural and/or paleontological artifacts protected, stabilized, or catalogued. Report one unit for each repatriation or transfer of custody of Native American human remains, funerary objects, sacred objects, and/or objects of cultural patrimony (cultural items) held in collections, pursuant to Title 43 CFR Part 10.10.; each instance in which all requirements of Title 43 CFR Part 10.10 have been met but where actual repatriation has not been completed because of decisions made by lineal descendants or Indian tribes or lack of a valid claim; and reburial of repatriated cultural items on BLM public lands. Report the number of accessions cataloged, inventoried, rehoused and/or otherwise upgraded. Materials from several sites or localities that are accessioned and cataloged under a single accession number should be considered one unit. An accession for which any one or more of the tasks of cataloging, inventorying or upgrading has been completed should be reported as one unit.</p> <p>Report each artifact as one unit.</p>	
C3 - Acres of Cultural / Paleontological Resources Surveyed, Inventoried or Monitored	<p>Report the number of acres of land surveyed, inventoried, or monitored for cultural and/or paleontological resources. Include acres surveyed using Class I study of existing information inventory, Class II probabilistic field survey, or Class III intensive field survey and resultant inventory as required by Section 14 of the Archaeological Resources Protection Act (ARPA) or Section 110 of the National Historic Preservation Act (NHPA).</p> <p>Report to the nearest whole acre.</p>	

<p align="center"><b>SNPLMA FY2020-FY2024 STRATEGIC PLAN GOAL 2: Improve the Quality of Life for all Publics in Urban and Rural Communities by Enhancing Recreational Opportunities that Connect People with the Outdoor Environment</b></p>		
<p align="center"><b>Performance Measures for Recreation Management</b></p>	<p align="center"><b>Definition of Performance Measures</b></p>	<p align="center"><b>Quantity</b></p>
R3- Number of New Recreational Facilities / Structures Constructed or Improved	<p>Report the number of new recreational buildings, structures, park amenities, or similar facilities constructed or improved. Existing recreational facilities may be counted under this performance measure if functional improvements are made as defined in the project nomination. Include shade shelters, picnic areas, playgrounds, arenas, amphitheaters, pedestrian bridges, etc. Do not report acres of land acquired for new parks or natural areas as this should be reported under performance measure R5 or R6.</p> <p>Report each facility or structure as one unit.</p>	<p align="center">2</p>
R4- Miles of New Recreational Roads / Trails Constructed or Routes Improved	<p>Report the number of miles of new recreational roads and/or trails constructed or improved. Restoration of existing roads and/or trails may be counted under this performance measure if functional improvements are made as defined in the project nomination.</p> <p>Report to the nearest whole mile.</p>	

<b>SNPLMA FY2020-FY2024 STRATEGIC PLAN:            Other Performance Measures that Also Support the Three Values for SNPLMA Implementation            of Sustainability, Connectivity, and Community</b>		
<b>Other Performance            Measures</b>	<b>Definition of Performance Measures</b>	<b>Quantity</b>
O1 - Number of Hazardous Sites Remediated	Report the number of hazardous sites where remediation actions are completed. Actions to be included are: removal of safety hazards, clean-up operations, restoration actions, and water quality remediation actions. Do not report temporary remediation measures. Report each site as one unit. When applicable, also report total weight of trash removed during clean-up operations.	
O2 – Number of Buildings, Facilities and/or Amenities Constructed or Refurbished	Report the number of buildings, facilities, or amenities constructed or refurbished to improve access, functionality and/or health and safety for employees and the public, or to facilitate the integrity of resource values. Include cross walks, park/trail lighting, fencing, barriers, retaining walls, weirs, signing, security cameras, etc. Report each building, facility or amenity as one unit.	1
O6 - Number of New Interpretive or Education Publications/Signs/ Kiosks/Displays/etc. Produced	Report the number of new interpretive or education publications produced, signs produced and installed, public informational websites or other electronic media presentations designed and implemented, and informational or interpretive kiosk displays produced and installed. Report each item produced as one unit.	8
O8 – Buildings or Facilities that Support Green Sustainable Design and Construction	Report the percent reduction in the carbon footprint accomplished through green design, water conservation, energy independence, etc. Report the Leed certification level (silver, gold, platinum), if applicable. Report each building or facility as one unit.	1
O9 – Number of GIS Databases Generated and/or Map Layers Produced	Report the number of GIS databases created and/or the number of map layers produced to identify the location of natural resources within the environment and provide mapping for use in educational programs. Report each database or map layer as one unit.	
O10 – Number of Volunteers Used	Report the number of volunteers used in educational or interpretive programs and for surveying, monitoring, or restoration activities. Report each volunteer as one unit.	
O11 – Number of Databases, Reports, and Other Electronic Means of Documenting Activities	Report the number of new databases, electronic reporting tools, mathematical/statistical models, websites, or reports developed and implemented to document project and/or program work. Report each electronic document or method developed as one unit.	
O12 – Number of Management Plans/Handbooks/Manuals/ Guides for Activity on Public Lands Completed (formerly under H11, F3, C4, and R1)*	Report the number of new or revised ecosystem restoration, hazardous fuels reduction, recreation, cultural, resource management, or other activity plans when the decision document for the plan is signed. Revisions include modification of a significant portion of the decisions in the activity plan. Do not report minor amendments or changes in these plans. Report each plan as one unit.	

**\*Note:**

Performance Measures H11, F3, C4, and R1, from original list were generalized and combined into new Performance Measure, O12.

**Glossary**

**Accession** – One or more objects and/or specimens acquired in the same manner from one source at one time for the museum property collection. Accessioning is the process of formally accepting and establishing permanent legal title (ownership) and/or custody for an object or specimen or group of objects and/or specimens. An accession can

consist of materials and associated archives from a single site or fossil locality, or materials from several sites or fossil localities.

**Biological Treatments** – Treatment of vegetation using domestic animals, insects, etc.

**Chemical Treatments** – Treatment of vegetation with herbicides, etc.

**Inventory** – Collection and analysis of baseline information; counting number of a given species, cultural feature, etc.

**Mechanical Treatments** – Treatments using hand or motorized tools for mowing, chaining, ripping, thinning, seeding, etc.

**Monitoring** – Establishment of current status and/or trends in environmental variables

**Riparian Habitat** – Riparian habitat includes the interface between upland habitat and a river, stream, or lake, regardless of whether it is intermittent or perennial. Riparian habitats are characterized by vegetation adapted to growing in water or saturated soils. Includes riparian woodlands, forests, buffer zones, or strips.

**Survey** – Observing an area to determine if a species or resource exists after which an inventory may or may not be performed.

**Upland Habitat** – Upland habitats include Mojave desert, grassland, shrub lands, pinyon juniper forests, and woodland sites.

**Wetland Habitat** – Wetlands are saturated areas, either permanently or seasonally, with characteristic vegetation adapted to its unique soil conditions.

Instructions: Put project cost estimates in Tabs 1-8. The values from those tabs will roll-up to this summary worksheet. The Non-Federal Contribution can be entered in Tabs 1-8 as a whole amount, it does not need to be broken out by unit cost.

**PROJECT BUDGET**

<b>Project Name:</b>		<b>Date:</b>	
<b>Project Manager:</b>		<b>Agency:</b>	
<b>Cost Categories</b>		<b>SNPLMA</b>	<b>Non-Federal Contribution</b>
1. Personnel (labor plus benefits)		\$ 859,520.00	\$ 50,000.00
2. Travel		\$ -	\$ -
3. Training		\$ -	\$ -
4. Equipment		\$ -	\$ -
5. Supplies/Materials		\$ 1,200.00	\$ -
6. Contracts and/or Agreements		\$ 10,079,619.58	\$ -
7. Vehicle Use		\$ -	\$ -
8. Other Necessary Expenses		\$ 15,300.00	\$ 50,000.00
<b>9. TOTAL PROJECT BUDGET</b>		<b>\$ 10,955,639.58</b>	<b>\$ 100,000.00</b>

Notes:

## 1. PERSONNEL

Include labor costs for all aspects of project implementation where agency labor will perform the work, e.g. planning and environmental documentation, section 106 compliance, labor to perform implementation, project management, interdisciplinary team (ID team), engineering, etc. Labor expense documentation must correlate the individual labor expense with the deliverable, task, or subtask. Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total labor costs.

Description of Role	Unit	Unit of Measure	Unit Cost	SNPLMA	Non-Federal Contribution
Project Manager (PM) - planning, execution, monitoring, controlling, reporting, and closeout of project	1800	Hours	\$ 130	\$ 234,000	\$ 50,000.00
Contracting Officer (CO) - Reviews and signs contract modifications prepared by Contracting Specialist. Overall contractual decision maker for the Government	624	Hours	\$ 130	\$ 81,120	\$ -
Contracting Officer Representative (COR) - Provides contract oversight, reviews and recommends payment approval to CO for payment to contractor	780	Hours	\$ 130	\$ 101,400	\$ -
Contract Specialist (CS) - Provides contract administration on contract, processes modifications and progress payments for CO approval	980	Hours	\$ 120	\$ 117,600	\$ -
Project Inspector - ensures site construction compliance with drawings and specifications and also ensures site safety and environmental compliance	1200	Hours	\$ 120	\$ 144,000	\$ -
Resource Management Office - Provides regional support to Hoover Dam on SNPLMA program actions	540	Hours	\$ 120	\$ 64,800	\$ -
Financial Management Office - Provides agency tracking of expenditures for Government	260	Hours	\$ 120	\$ 31,200	\$ -
Engineer Review - Performs design and constructability reviews and reviews and documents comments on behalf of the Government	160	Hours	\$ 130	\$ 20,800	\$ -
Craft Subject Matter Experts Review - Performs design reviews from a maintainability perspective	100	Hours	\$ 150	\$ 15,000	\$ -
Archeologist - Performs SHPO consultation on behalf of Government	16	Hours	\$ 120	\$ 1,920	\$ -
Environmental Compliance Manager - Performs NEPA compliance assessment for Government	16	Hours	\$ 130	\$ 2,080	\$ -
Interpretive SMEs - To support development of interpretive materials	380	Hours	\$ 120	\$ 45,600	\$ -
		Hours		\$ -	\$ -
		Hours		\$ -	\$ -
		Hours		\$ -	\$ -
		Hours		\$ -	\$ -

<b>Total</b>	<b>\$ 859,520</b>	<b>\$ 50,000.00</b>
--------------	-------------------	---------------------



### 3. TRAINING

Training expenses must make a direct and logical contribution to the project's purpose and deliverables (including tasks and subtasks, as appropriate). Example, contracting officer representative or program officer/assistance agreement training, training for chainsaw use, training for pesticide application, visual resource management, etc. Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total training costs.

Description of Role	Unit	Unit of Measure	Unit Cost	SNPLMA	Non-Federal Contribution
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -

<b>Total</b>	\$	-	\$	-
--------------	----	---	----	---



**5. SUPPLIES AND MATERIALS**

Supplies and materials necessary to complete the project. Supplies/materials must make a direct and logical contribution to the project's purpose and deliverables (including tasks and subtasks, as appropriate). Supplies/materials must be the minimum amount necessary to accomplish the project; purchasing extra supplies/materials to "stock the cache" for post project management activities is prohibited. Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total equipment costs.

Description of Role	Unit	Unit of Measure	Unit Cost	SNPLMA	Non-Federal Contribution
SNPLMA Plaque	1	EA	\$ 1,200	\$ 1,200	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -

Total	\$	1,200	\$	-
-------	----	-------	----	---

**6. CONTRACTS AND AGREEMENTS**

Contracts and/or agreements (grants, cooperative agreements, assistance agreements, stewardship agreements, interlocal or state agreements, etc.) necessary to implement the project's purpose and deliverables (including tasks and subtasks, as appropriate). Extra or more robust documentation may be necessary if the contract and/or agreement is for multiple projects (e.g. a Master Agreement or CESU agreement). Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total grant and agreements used to implement the project.

Description of Role	Unit	Unit of Measure	Unit Cost	Subtotal	Non-Federal Contribution
Contract for A/E and Interpretive Design Development	1	Job	\$ 1,199,457	\$ 1,199,457	\$ -
Value Engineering Study (to be performed after 30% design submission)	1	Job	\$ 60,000	\$ 60,000	\$ -
Contract for Renovation Construction and Interpretive Fabrication, Production and Installation	1	Job	\$ 8,820,163	\$ 8,820,163	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -

<b>Total</b>	<b>\$</b>	<b>10,079,620</b>	<b>\$</b>	<b>-</b>
--------------	-----------	-------------------	-----------	----------



**8. OTHER NECESSARY EXPENSES**

Other Necessary Expenses are time and materials necessary for project implementation but are not specific to any one deliverable (including tasks and subtasks, as appropriate). If you included the labor, equipment, and/or supplies and materials in the other sheets, do not include them here. Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total other necessary expenses to implement the project. This is not a complete list. Contact the SNPLMA Division for guidance on other necessary expenses.

Description of Role	Unit	Unit of Measure	Unit Cost	Subtotal	Non-Federal Contribution
Agency contributed materials (supply of site power, dedicated land use area for site trailer and material laydown at no cost to the contractor)	1	Lump Sum	\$ 50,000	\$ -	\$ 50,000.00
Administrative Support - Performs internal miscellaneous document processing for Government (i.e. as-builts, document package routing, etc)	180	Hours	\$ 85	\$ 15,300	
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -

<b>Total</b>	\$	15,300	\$	50,000
--------------	----	--------	----	--------

**SNPLMA Round 20  
Capital Improvements Project Addendum**

**Nomination:** Tab 5

**Entity:** National Park Service, Lake Mead National Recreation Area

**Project:** Mead District Public Safety Annex at Boulder Beach

**Remarks/Clarifications Needed:**

**Overall Comment:**

Per the SNPLMA Strategic Values Plan CIP projects should “Sustain the quality of the outdoor environment by conserving, preserving, and restoring natural and cultural resources.”, and “Improve the quality of life for all publics in urban and rural communities by enhancing recreational opportunities that connect people with the outdoor environment.”

Per the IA, “The purpose of nominations should not be to correct critical health and safety issues. The EC determined that urgent health and/or safety issues are the responsibility of the managing entity, should be corrected in a timely fashion, and are not an appropriate expenditure of SNPLMA funds.

**Section A – Background Information:**

1. “The exterior “Salley Port” entrance to the holding cells are open to the public and not fenced; there are some security concerns that are integral to the “makeshift” nature of the building.”

**This is a security issue.**

2. “The fire personnel are located miles away in a portable building lacking sufficient HVAC system and ventilation systems for critical emergency service apparatuses.”
3. “Equipment is exposed to air temperatures of 110°F and above, as well as wind, sand, and rodents.”
4. “Staff routinely conduct daily equipment inspections exposed to extreme temperatures and sunlight, creating additional fatigue and an unsafe work environment.”
5. “The bathroom has no wash station or showers to decontaminate PPE or fire fighters.”
6. “In sum, there are no climate-controlled buildings for any of the critical emergency vehicles dedicated to the Mead District (valued at over \$1 million), which significantly impacts maintenance costs, time for maintenance, and even potentially safety.”

**These are safety issues.**

7. “There are several other nearby locations that would also be considered in the scoping process”.

**Have any feasibility studies been done on these other areas, are utility/water/etc. able to get to the potential site(s)?**

**Section D – Project Deliverables-Primary and Anticipated:**

1. Bullets #1-3 Are Standard Deliverables.
2. Most of the remaining Primary Deliverables and all the Anticipated Deliverables need rewritten or removed:
  - Many are not quantified, appx how much fencing is needed, what size boat bay, etc.
  - Many list items SNPLMA will not cover (SNPLMA will pay for the building and infrastructure, such as a break room with sink, cabinets, and counter tops, etc., but it will not pay for furnishings such as microwave, refrigerator, ice machine, shelves, cameras, lockers, PPE, tables, chairs, drying racks, etc.)
  - Some items are discussions for the design team such as acoustic insulation, floor drains, hose bibs, parking space by ice machine, etc.

**Section F – Project Timeframe:**

1. The project is requesting 7 years instead of the usual 5 for a CIP project.
2. Year 1 “Begin compliance activities for Katherine Landing.”  
**How is Katherine Landing compliance directly related to the Mead District Annex plan?**
3. Year 4 “Finalize Design Development/Construction Document (DD/CD) Design Activities.”

**Four years in and the project would still be doing ‘planning’; there is a 27% cap on planning for CIP projects. If a project believes it may go over this amount, per the IA it needs to be addressed in the nomination, “Eligible agencies may not exceed the 27 percent cap for “Planning, Environmental Compliance, and Preconstruction Engineering and Design” for Capital Improvement projects unless pre-authorized by the EC in the nomination prior to Secretarial approval or pre-approved as a waiver of business rules by the EC.”**

**Section K – Ranking Criteria:**

1. Criteria #5 LIFECYCLE REPLACEMENT/RECONSTRUCTION AND DEFERRED MAINTENANCE  
Question A: Entity’s answer seems to be partly missing.

**Section L – Orders and Priorities:**

1. Entity did not answer the U.S.D.A. Forest Service Priorities

**Section M – Maps:**

1. Entity did not submit the Strategic Values map(s) showing Connectivity, Community, Sustainability.

**Budget - Excel Spreadsheet:**

**Personnel Tab**

- \$4,500,000 for Construction Project Management for 8 years.  
**Project is only requesting 7 years. At 7 years, this amount equates to over \$570,000 per year.**
- \$270,400 for Engineering Technician (new term position) for 7.5 years.

- **Project is only requesting 7 years.**
- \$270,400 for Budget Analyst - 0.5 FTE - (new term position) for 7.5 years.  
**Project is only requesting 7 years.**
- IT Support (existing position) - GS 11.  
**One position; does NPS currently have the staff to commit this amount of time?**
- Chris Nycz - Cultural Resource Manager - GS-11- Cultural Compliance –  
“Katherine Landing building location is outside of the historic district but visual impacts analysis still need to be evaluated with respect to historic district, updated survey and photos, survey report for consultation letter, coordination and communication for regional historic landscape architect review, consultation letters to tribes and AZ SHPO”.  
**How does Katherine Landing cultural fit into the Mead District Annex?**

**Travel Tab**

- No travel is listed. What about Denver Service Center, will they need to conduct site visit(s)?

**Contracts and Agreements Tab**

- \$1,200,000 for “Contractor Construction Management”.  
**Is this the same position as Construction Project Management on the ‘Personnel’ tab?**
- \$600,000 for “Tortoise Monitoring - \$200,000/year x 3 years (construction) (\$75-125/hr x 2000 hours for monitoring + biologist)”.  
**Biologist time is already accounted for on the ‘Personnel’ tab.**
- \$150,000 for “Title 3 contract - final inspection by engineer of record to validate that the project was built to the specifications”.  
**Is this a separate person other than the Denver Service Center engineers or the NPS staff engineer who are listed on the ‘Personnel’ tab?**

**Other Necessary Exp Tab**

- \$63,510 for “Construction site security”.  
**Added security is not directly related to the building of an Annex, SNPLMA would not cover this.**
- \$16,800 for “Cell phones for 3 new dedicated project staff (Engineering Tech, Budget Analyst, and Facilities Management Assistant)”.  
**Would a position not out in the field, such as Budget Analyst, need a cell phone?**

**Southern Nevada Public Land Management Act  
Capital Improvements  
Round 20**

National Park Service



Mead District Public Safety Annex at Boulder Beach

Amount Requested: \$25,360,229

## A. BACKGROUND INFORMATION

Lake Mead National Recreation Area (NRA) is amongst the top ten most visited parks in the National Park System and one of the most visited parks in southern Nevada (with nearly 6 million visitors in 2022). Lake Mead NRA straddles the Nevada and Arizona border (with the state boundary located down the middle of Lakes Mead and Mohave) and is a top recreation destination for the Las Vegas metropolitan area, as well as numerous other communities in California, Arizona, and Nevada. Thousands of non-resident visitors also visit from across the country and around the world.

Unfortunately, Lake Mead NRA consistently holds the title for the highest number of deaths of any park in the NPS and has very high numbers of emergency, detainment, and rescue calls. Lake Mead averages 25-35 deaths per year and over 14,000 dispatch calls annually with 11,000-12,000 of those requiring active law enforcement response and over 300 arrests annually, many of which are felonies.

In order to meet the needs of those who recreate at Lake Mead NRA, the park provides public facilities, support, and information, including significant law enforcement, emergency support, and victim care, across its 1.5 million acres.

Emergency services at Lake Mead NRA are divided into three districts (Map 1):

- Mead - which covers from the north side of Hoover Dam to the Overton Arm and out east to Pearce Ferry (532 square miles/340,526 acres, 5 wilderness areas, 1096 structures). The Mead District emergency services are based out of Boulder Beach.
- Canyon - which covers from the South Side of the Hoover Dam to north of Searchlight/Cottonwood Cove (736 square miles/471,643 acres, no designated wilderness areas, 387 structures). The Canyon District emergency services are based out of Hoover Dam and Willow Springs.
- Mohave - which covers Cottonwood Cove on south, down to Katherine Landing, (379 square miles/242,924, 780 structures, 5 wilderness areas). The Mohave District emergency services are based out at Katherine Landing.

Currently, Lake Mead NRA has one visitor center, which is located off Lake Shore Drive just outside of Boulder City, NV, and a building for public meeting and community space (The Water Safety Center), which is located directly across from the Resource Protection Ranger Station near Boulder Beach Campground (the Resource Protection Ranger Station is part of the current group of buildings supporting public safety and it, along with several other scattered buildings, will be replaced by the proposed consolidated Public Safety Annex) (Maps 2 and 3). All of these facilities are housed in and served by the Mead Emergency District.

In addition to providing recreation and public resource infrastructure (such as bathrooms, a visitor center, and meeting rooms), quality visitor experiences to public lands also depend on ensuring public safety and health. Public safety, search and rescue, and emergency response require efficient infrastructure for the most effective delivery. The design and placement of that infrastructure can literally mean the difference between life and death.

This nomination is to build a Public Safety Annex for the Mead District at Boulder Beach to replace the scattered, aging, and make-shift infrastructure that has either been outgrown and/or exceeded its useful life.

#### MEAD DISTRICT (BOULDER BEACH HEADQUARTERS)

The Mead District is the park's busiest district, seeing 52% of the Park's 6 million annual visitors and receiving over half of the park's 14,000 annual active response dispatch calls. On busy holidays, the Mead District can see an average of 85,000-90,000 visitors *on a single day*, often responding to multiple medical incidents, drownings, motor vehicle accidents, fires, and fatalities in the span of 24-hours and sometimes simultaneously. This is where a multi-use, consolidated Public Safety Annex pays back in dividends, for both multi-unit coordination and fast response for the benefit of visitors.

The Mead District Public Safety Annex, which will be located at Boulder Beach, will consolidate scattered personnel, equipment, and services to help ensure the fastest possible response times to calls. It will also provide state-of-the art and secure evidence processing and storage, as well as detainment facilities specifically designed for the job. In a separate, secure, attractive, and welcoming section of the building, it will provide facilities for victims and family during their greatest time of need (often having to wait for hours). The Annex will also provide space for approximately 15 emergency personnel, incident management, as well as, state, federal, and local partners, such as the Nevada Department of Wildlife, BLM and BOR staff, and the Coast Guard, who work at the park on a daily basis.

The current Mead Ranger District has a dispersed layout utilizing converted buildings scattered across the area. The existing buildings and locations are inadequate in meeting the needs of a complex, all-hazard emergency response operation:

- Law enforcement rangers are housed in a converted hotdog-stand building at Boulder Beach. The original conversion happened in 1988 (cost not known) and new carpet and paint were done in 2015 (\$16,000) and communication upgrades were put into the building in 2021 (\$9,000). (Photos 1-3)
  - This building contains resource protection ranger office space, evidence processing room (which NPS shares with NDOW), long-term storage (NPS shares with NDOW), temporary holding cells, and a gym.
  - Some concerns with this building include: the exterior "Salley Port" entrance to the holding cells are open to the public and not fenced; there are some security

concerns that are integral to the “makeshift” nature of the building; the IT, office space, and long term evidence storage have been outgrown; long term storage needs proper, independent ventilation.

- The fire personnel are located miles away in a portable building lacking sufficient HVAC system and ventilation systems for critical emergency service apparatuses. Equipment is exposed to air temperatures of 110°F and above, as well as wind, sand, and rodents. Staff routinely conduct daily equipment inspections exposed to extreme temperatures and sunlight, creating additional fatigue and an unsafe work environment. The bathroom has no wash station or showers to decontaminate PPE or fire fighters. (Photos 4-5)
- Emergency supplies are scattered at different locations (to accommodate size, type, and condition needs, such as refrigeration) (Photo 6); And,
- the ambulance is stored at various roaming locations outside in the heat and elements.

In sum, there are no climate-controlled buildings for any of the critical emergency vehicles dedicated to the Mead District (valued at over \$1 million), which significantly impacts maintenance costs, time for maintenance, and even potentially safety.

The new Mead District Public Safety Annex will:

- be approximately 4,345 square feet and utilize pre-scoping plans created for a Public Safety and Community Annex for the Mohave Emergency District headquartered at the Katherine Landing (Photo 7) (NOTE: The park is submitting a second Round 20 Capital Improvements nomination for the “Mohave District Public Safety and Community Annex at Katherine Landing”).
- There will be slight modifications of the building to meet the specific needs of this location, but it will mostly be duplicative. The primary change that will be made is converting the interpretive public visitor space to more offices to accommodate the larger number of emergency, search and rescue, law enforcement, and partner agency personnel needed for this District.
  - The Mead District Public Safety Annex will consist of a multifunction-space for 15 permanent employees, six seasonal employees, and several floating offices to support other state and federal agency staff who are on site on a near-daily basis, including the Nevada Department of Wildlife (NDOW) game wardens, the Coast Guard, Bureau of Reclamation staff, Bureau of Land Management staff, and the Boulder City Police Department (who help support marine patrols and NPS and BCPD have a shared K-9 program.)
- The Mead District Public Safety Annex does not need an extensive interpretive, indoor, and outside public space (as shown in the floor plan image for the Katherine Landing Annex) since the Lake Mead Visitor Center is located less than two miles away on Lakeshore Drive and there are other public facilities (e.g. picnic tables and bathrooms) in

the immediate vicinity. The Water Safety Center is also nearby, which contains meeting rooms available for public use.

- The public visitor spaces of the Mead District Public Safety Annex will be comforting, private spaces for victim and family support and minor health emergencies.

The new building will address the dispersed resources condition by consolidating all public safety components, including secure evidence processing and storage, a secure detainment area, and an attached three-bay pull-through fire station for a structural fire engine, ambulance, and support vehicle and/or boat bay. It should be noted that the current Boulder Beach Ranger station provides permanent evidence storage for both Lake Mead Division of Resource Protection, as well as the Nevada Department of Wildlife (NDOW). The new facilities will completely replace the old facilities (which will likely be torn down) and have expanded and improved storage capacity. The new facilities will remain available for NDOW use.

By using the pre-scoping building plans created for Katherine Landing, the park will save at least \$70,000+ (the amount Lake Mead NRA paid for that pre-scoping document in 2021) in the pre-scoping processes still needed for this location. It is assumed that the new building will be at the same location as the current Mead District Ranger building (demolition is included in this proposal), however the existing site still needs to be analyzed for footprint, efficiencies for emergency services, viewshed, and other cultural resource considerations. There are several other nearby locations that would also be considered in the scoping process.

Consolidating the dispersed emergency services buildings will save significant operational costs. The current annual operations and maintenance costs for all existing Mead District safety support and response buildings is \$19,500. That is in *addition to* the minimum \$5000 per year *extra* spent on maintenance to emergency vehicles and related equipment due to the inadequate storage buildings/exposure to the elements (totaling at least \$24,500 for basic annual operations)- Because of design efficiencies and consolidation, the operations and maintenance costs for the new Mead District Public Safety Annex are estimated to be \$13,500 – an \$11,000 annual savings.

The Mead Public Safety Annex will bring the busiest section of Lake Mead NRA into the 21<sup>st</sup> century and provide a quality work and public space. Money saving design efficiencies include site selection and specific construction criteria, such as:

- Using materials that are impervious to rodents and insects and provide longevity.
- Meeting NPS sustainability standards and LEED standards..
- Designing a structure that is attractive, fits in the landscape, and utilizes orientation to maximize views and energy efficiency (e.g. utilizing shade for windows and active and passive strategies to heat and cool the building) and has both public and staff indoor and outdoor spaces that connect with and honor the landscape.

- Designing for rainwater harvesting and grey water collection that can be directed for landscape irrigation.
- Utilizing LED lights, natural light, and photovoltaic panels to reduce and offset energy consumption.

NPS LAKE is submitting a second Capital Improvement nominations in Round 20 (“Mohave District Public Safety and Community Annex at Katherine Landing”). If both are approved it is estimated at least \$4,000,000 will be saved via shared positions (budgets for each proposal are independent), conducting one round of requests for competitive contract bids/reviews/selections, establishing and overseeing the same contracts for the two locations (including Title 1, Title 2, and construction work), and accelerated engineering/IT/other reviews of documents and inspections because of the duplicative nature of the projects. NPS LAKE is aware that funding for each project, if approved, must be kept and tracked separately.

**a. Describe Relationship to Prior Approved Projects and/or Phases Relevant to this Project (SNPLMA funded or not), and any anticipated Future Phases**

This project has no relationship to prior approved projects or phases. There are no anticipated future phases. Should the Round 20 proposal “Mohave District Public Safety and Community Annex at Katherine Landing” get approved along with this proposal, an estimated \$4,000,000+ of efficiencies would be gained through project cost and oversight/management sharing, contracting, and possibly more in construction through bulk materials supplies, etc. NPS LAKE is aware that funding for each project, if approved, must be kept and tracked separately.

**b. Acknowledgement of Stand-Alone Project and no Guarantee of Funding for Future Phases**

This is a stand-alone project and does not require future SNPLMA funding or phases.

## **B. EXECUTIVE COMMITTEE’S SNPLMA STRATEGIC PLAN VALUES**

Capital Improvement projects have two goals identified in the Strategic Plan:

- Goal 1: Sustain the quality of the outdoor environment by conserving, preserving, and restoring natural and cultural resources.
- Goal 2: Improve the quality of life for all publics in urban and rural communities by enhancing recreational opportunities that connect people with the outdoor environment.

Nominated projects should meet these two goals by focusing on the three SNPLMA core values, connectivity, sustainability, and community. Every nomination must explain how the three values are promoted by the project.

- **Connectivity**

The new Mead District Public Safety Annex will increase connectivity between the Mead District emergency personnel at Lake Mead NRA (resource protection, search and rescue, wildland and structural fire, and EMT), as well as significantly improve response time to all emergencies in this District, providing better protection for visitors, as well as protection of the natural resources for which NPS is tasked with protecting.

- **Sustainability**

The new Mead District Public Safety Annex helps meet sustainability goals by constructing the building with as many sustainable features as possible, such as, strong, long-lasting, energy efficient materials and techniques, orienting on the site to maximize solar gain in the winter and reduce solar gain in the summer, xeriscaping with rainwater catchment and reclaimed water systems, power will be supported by solar panels, and efficient HVAC systems.

- **Community**

The new Mead District Public Safety Annex meets community goals in several ways: provides comfortable, safe spaces for the public who are experiencing minor injuries, were victims of a crime, or experienced a death at the lake and are waiting for family or officials to arrive; provides comfortable jail facilities to allow inebriated and disruptive visitors to “sleep it off,” or to protect the public from violent offenders or apprehended criminals; have evidence processing and storage facilities to properly support and solve investigations; consolidate equipment, supplies, and personnel to decrease response time to provide efficient fire, medical, or other emergency support in the busiest part of the lake; deepens the community connections between the spectrum of emergency response personnel; and, by providing offices for both NPS and other agency staff (e.g. BLM, NDOW, and Coast Guard) and community partners like the Boulder City Police Department, who work at Lake Mead NRA on a daily (or near daily) basis.

## C. PURPOSE STATEMENT

Lake Mead National Recreation Area (NRA) seeks to improve public safety, public interactions, and the visitor experience by building a centralized Public Safety Annex at Boulder Beach to serve the Mead Ranger District of Clark County Nevada, the busiest region of Lake Mead NRA. This multi-purpose annex will house critical emergency resources in a centralized location for efficient, life-saving action, provide safe space for visitors during crisis management and other emergencies, provide secure space for detainment and evidence storage, and provide multi-agency offices.

## D. PROJECT DELIVERABLES

Primary:

Design and construct a Public Safety Annex to support the Mead Emergency District in Lake Mead NRA located near the communities of Boulder City, Henderson, and Las Vegas, NV. The annex will house law enforcement/fire/search and rescue staff and equipment/supply spaces and building support spaces. The gross interior square footage of the facility will be approximately 13,339 square feet and the exterior space will be approximately 16,711 square feet. All square footage estimates are based upon the pre-scoping document commissioned by the NPS in 2021 for the Mohave District Public Safety and Community Annex at Katherine Landing. The same building design and specs will be used for this facility with minor adjustments to accommodate the Mead District needs and site. Final layout, design, and square footage may vary.

- Preliminary Programming Package
- Schematic Design Package
- Construction Document Package
- Janitor Closet (2@ est. 60 sf), est. 120 sf
  - Mop sink, storage shelves, power, well ventilated
- Print/Copy, room, est. 80 sf
- General Storage, est. 64 sf
- Staff Restroom, est. 64 sf
- Staff Break Room, est. 252 sf
  - Furnishings/Equipment: spot for bottle filling station (cool water), Sink, spot for microwave, spot for residential refrigerator, spot for commercial ice machine in climate controlled area, needs to be near exterior door, countertop with upper and lower cabinets
- Supervisor Offices (estimated 3 @ 168 sf), est. 504 sf
- Ranger Offices and workstations to accommodate at least 15 staff (number of offices versus work stations TBD, est.), 1898 sf
  - Sound mitigation/deadening (run walls to structure with acoustic insulation), One-way glass or mirrored glass for privacy if working late, Higher window sills (min. 5' high or clerestory) for privacy and safety
- Phone Booth/Interview Room, est. 126 sf
  - Acoustical privacy
  - Technology: data ports for connection to NPS network, CCTV camera that ties to open workspace
- File/Mail/Copy room, est. 100 sf
- Law Enforcement General Storage, est. 64 sf
- Exercise Room, est. 560 sf
  - acoustical separation/Noise control, Rubberized flooring, ventilation, Heating/Cooling, Privacy from public/visitors
- Locker Room and Showers (2 @ est. 432 sf), est. 864 sf
- Apparatus Bay, est. 2,232 sf
  - (3) Pull-through bays
  - Floor drains, Hose bibs, Air compressors, Hookups power where vehicles are parked, Contained battery charging system, cooling
- Fire Fighting Agent Storage, est. 64 sf
- Fire Fighting Wildland Equipment Storage, est. 70 sf

- Shelving and racks
- Fire Fighting Structure Equipment Storage, est. 180 sf
  - Shelving and racks
- Outdoor Apparatus Apron Area, est. 2,232 sf
  - 2-1/2" water connection adequate for hosing down and refilling trucks (800 gallon engine), (2) hose bibs, Concrete slab with brushed finish at entry to bays
- Turnout Decontamination Area (2 @ est. 64 sf), est. 128 sf
- Protective Clothing Laundry/ Self Contained Breathing Apparatus (SCBA) Maintenance/Repair, est. 165 sf
  - Extractor, Floor drain, Utility sink, Drying racks, Counter space est. 6', Drawers, Cabinets, Hose bib, SCBA rack (est. 10')
- Multi-Purpose/Conference/Training Room, est. 728 sf
  - Large monitors, CAT-6 cabling (min., throughout facility), Connectivity throughout walls, Outlets for Emergency/Command Center mode, Connections to monitors (HDMI port)
- Chair/Table/Training Storage, est. 256 sf
- AV Room, est. 15 sf
- Sally Port (outdoor), est. 720 sf
  - Shaded and fenced area with electric sliding gate (Secure space to unload detainees), Cameras at gate and doors, Weapons box for
  - Provide clearance around vehicles for officers to work
- Booking Area, est. 88 sf
  - Floor drain, Wire cage cell with fixed concrete bench
- Holding Cell (minimum 2 @, est. 64 sf), est. 128 sf
  - CCTV camera in each cell, Fixed concrete bench, Floors drains, Tamper-proof hose bib in lock box
- Holding Area Restroom, est. 64 sf
  - Stainless steel penal ware, Floor drain, Lockable hose bib
- Evidence Processing, est. 76 sf
  - Evidence lockers, refrigerated locker, counter, Barcode printing for evidence bags, Scanning, CCTV camera on door, Pass-thru to Evidence Storage
- Secure Evidence Storage, est. 150 sf
  - CCTV camera inside room and outside door to room, refrigerator/freezer, rack/shelving/bins, separate and constant ventilation
- ICOP Room, est. 45 sf
  - Acoustical privacy, secure
- Prisoner Property Storage, est. 36 sf
  - CCTV, racks/shelving, secure, well ventilated
- Secure Weapons/Ammunition Storage/Cleaning, est. 105 sf
  - Stainless steel counter with sink for weapons cleaning, Space for clearing barrel, Safes, good lighting, ventilation, racks/shelves
- Secure Tactical and Training Gear Storage (estimated 2 @ est. 225 sf), est. 450 sf
  - Racks/shelving
- Secure Emergency Medical Supply Storage, est. 72 sf
  - Counter with outlets, upper and lower cabinets, shelving,

- Mechanical Room, est. 225 sf
  - Acoustic insulation, ventilation
- Electrical Room, est. 160 sf
  - Fire proofing, acoustic insulation, ventilation, well lit
- IT/Data Room, est. 80 sf
  - Racks/shelving, separate climate controlled system (67-73 degrees F), Plywood on wall for punch down blocks
- Fire Riser Room, est. 64 sf
- Public Parking, est. 5,920 sf
- Staff/Gov. Vehicle Parking, est. 5,184 sf
  - Secure, fenced parking
- Utility Yard, est. 225 sf
  - Acoustic insulation, equipment clearances
- IT/Data Room - (2) runs per space - (1) for VOIP, Each side to have their own branch printers (ie: Law Enforcement and interpretive separation), Single data run, Analogue run for phone/ fax, Cabling in conduit to offices - could be in basket with accessible
- Ceilings, IT Room ladders, Infrastructure for new T1 line from outside of building (street) to IT Room (currently served by microwave), WAPS for staff and guests, security - cameras (2 exterior, 1 lobby, evidence room, corridors, Motion sensors, Card readers, Data storage, transmission of data, Switches, Router, Telephone equipment, Rack-mount UPS

Anticipated:

- Shelving, lockers, storage, room dividers, display cases, water fountains, furniture, appliances, exercise equipment, as needed per space
- Building signs
- Apparatus Bay - (1) Bay for a boat on a trailer for maintenance and repair
- Photovoltaic Array – on the building roof and/or on covered parking to provide electricity for the building
- Rainwater catchment and grey water recycling systems for landscaping
- Covered parking
- Staff Patio and outdoor space, est. 380 sf
  - Shaded area with parking space for access to ice machine in Staff Break Room
- K9 Yard, est. 450 sf
  - Fences, dog run, shade, benches, water and drainage

Standard:

- Initiate funding
- NEPA and SHPO compliance activities
- Quarterly and annual reporting
- Draft contract documents
- Permitting
- Closeout package

## E. PROJECT LOCATION

### Identify County in Nevada where Project will be carried out:

Clark County

### Identify Congressional District(s):

NV 1, 3, and 4

### Latitude and Longitude:

36.039548810014544, -114.8036197489373

## F. PROJECT TIMEFRAME

Lake Mead National Recreation Area is requesting 7 years to complete this project to allow for common delays with the contract bidding and creation process, supplies fulfillment, permitting, and construction. If the Mohave District Public Safety and Community Annex nomination is also approved, there may be some adjustments in the timeframe to maximize contracting, construction, and monetary efficiencies.

### YEAR 1:

Complete HR and new hire process for associated positions. (6 months)

Begin compliance activities for Katherine Landing. (ongoing)

Building Programming Predesign (PD) Activities (14 months)

- Project Initiation and Set-up – 3 months
- Draft PD task order scope of work – 2 months
  - Scope of work will include site evaluation and identification along with operational programming needs
- Solicit and award design task order – 3 months
- Execution of PD task order – 6 months (2 months will carry over into Year 2)

### YEAR 2:

Compliance Activities (ongoing)

Continuation of compliance activities as needed, included but not limited to SHPO and Tribal consultation process, NEPA environmental assessment.

Finalize Building Programming Predesign (PD) Activities (2 months)

- Conclude final submission of PD design report – 2 months

Preliminary/Schematic Design (PD/SD) Design Activities (11 months)

- Draft PD/SD task order scope of work – 2 months
- Solicit and award design task order – 3 months
- Execution of PD/SD task order – 6 months (1 month will carry over into Year 3)

YEAR 3:

Compliance Activities (ongoing)

Completion of compliance activities as needed, included but not limited to SHPO and Tribal consultation process, NEPA environmental assessment. These tasks will be formally completed in the 2 months after construction documents are submitted to fully reflect design and construction scope.

Finalize Preliminary/Schematic Design (PD/SD) Design Activities (1 month)

- Conclude final submission of PD/SD design documents – 1 month

Design Development/Construction Document (DD/CD) Design Activities (17 months)

- Draft DD/CD task order scope of work – 2 month
- Negotiate and award design task order – 3 months
- Execution of DD/CD task order – 12 months (6 months will carry over into Year 4)

YEAR 4

Compliance Activities (ongoing)

- Continued monitoring of project progress and unforeseen site condition analysis

Finalize Design Development/Construction Document (DD/CD) Design Activities (6 months)

- Conclusion of DD/CD task order and receipt of final construction documents – 6 months

Contracting Activities (11 months)

- Construction contracting package document preparation and submission – 2 months
- Review, solicitation, negotiation and award of full construction contract – 9 months (5 months will carry over into year 5)
  - Note: 9 months is the standard Procurement Admin Lead Time for any construction project greater than \$500,000.
  - Concurrently, the following additional agreements will be solicited and executed:
    - Construction Management Representative agreement

- Title 3 Inspection task order negotiation and award

#### YEAR 5

##### Compliance Activities (ongoing)

- Continued monitoring of project progress and unforeseen site condition analysis

##### Finalize Contracting Activities (5 months)

- Review, solicitation, negotiation and award of full construction contract – 5 months
  - Concurrently, the following additional agreements will be solicited and executed:
    - Construction Management Representative agreement
    - Title 3 Inspection task order negotiation and award

##### Construction Activities (7 months)

- Preconstruction submittal review; development, submittal, and approval of permit applications (6 months)
- Construction kick-off, and issuance of Notice to Proceed (1 month)

#### YEAR 6

##### Compliance Activities (ongoing)

- Continued monitoring of project progress and unforeseen site condition analysis

##### Continued Construction Activities (18 months)

- On-site construction work (18 months, 6 months will carry over into year 7)

#### YEAR 7

##### Finalize Construction Activities (8 months)

- Completion of on-site construction work (6 months)
- Final inspections and contract close out activities (2 months)

##### SNPLMA Closeout (3 months)

- Final site visit
- Final documentation and financial closeouts

### **G. LEVEL OF PROJECT READINESS FOR IMPLEMENTATION**

Is this a shovel-ready project? Yes No

The majority of the pre-scoping process is complete because existing pre-scoping documents for the Public Safety and Community Annex at Katherine Landing are being used (with slight modifications) for this location. Although it is possible the current site of the Mead District Ranger Station at Boulder Beach might be used for the new building (after the building is demoed), there are several other nearby options that are also being considered. Thus, the final pre-scoping step is to select a site, as well as make minor modifications to the interior layout of the building to replace the interpretive spaces with additional offices/work space (since the Visitor Center and Water Safety Center are nearby).

This project will be completed through a combination of in house and contract resources. NPS has the staff, expertise, and resources (engineering, facilities management, contract, and grant management) to initiate the project once funding is available. NEPA and SHPO will be managed in house through our Cultural Resources Manager, staff archeologist, and our Environmental Protection Specialist. Construction project management will occur through the NPS Denver Services Center. Responsibility for ongoing operations and maintenance is already in place because the new Mead District Public Safety Annex will replace existing infrastructure.

Have you applied, received, or is there the opportunity to obtain funding from another source for this project? Please list the additional funding opportunities received or applied for and indicate whether it is federal or nonfederal funding.

Federal funding through NPS was applied for in 2019 and not awarded.

## H. FUTURE OPERATING AND MAINTENANCE

The anticipated lifecycle of the project is 7 years depending on construction timelines. The anticipated use of the facility is indefinite.

- General operation and maintenance costs are managed by the National Park Service Lake Mead NRA annual appropriations.
- The operation and maintenance of the facility would be managed by the Division of Facilities Services at Lake Mead NRA.
- The current annual operations and maintenance costs for all existing Mead District safety support and response buildings is \$19,500. That is in *addition to* the minimum \$5000 per year *extra* spent on maintenance to emergency vehicles and related equipment due to the inadequate storage buildings/exposure to the elements (totaling at least \$24,500 for basic annual operations) Because of design efficiencies, the operations and maintenance costs for the new Mead District Public Safety Annex are estimated to be \$13,500 – an \$11,000 annual savings, while improving the longevity of expensive rescue equipment, improving emergency response time, and improving the existing situation by providing a safe, secure, and comfortable working for NPS employees and visitors experiencing an emergency.
- This project is not a phase of a prior approved project, and as proposed would not require any additional phases.

## I. PROJECT BUDGET

Complete the project budget using the provided Excel spreadsheet template and upload as a separate document to the “Submissions” tab in the Nomination Portal. Do not embed the project budget in this document.

### Partnership and/or Contributed Funds

Lake Mead NRA paid \$70,000 for the initial scoping documents being used for this facility. The scoping documents were for the Mohave District Public Safety and Community Annex at Katherine Landing (second Capital Improvement nomination submitted for SNPLMA Round 20), but the building will be nearly identical with small modifications to meet the Mead District needs.

## J. KEY CONTACTS

Authorized Officer: Mike Gauthier, Superintendent

Email: [mike\\_gauthier@nps.gov](mailto:mike_gauthier@nps.gov)

Phone Number: 760-252-6103

Project Manager: Stefani Dawn

Email: [stefani\\_dawn@nps.gov](mailto:stefani_dawn@nps.gov)

Phone Number: 702-280-0388

Budget Officer: Scott Briggs

Email: [scott\\_briggs@nps.gov](mailto:scott_briggs@nps.gov)

Phone Number: 702-293-8687

## K. RANKING CRITERIA

The Ranking Criteria are used to evaluate the nomination against the goals for the Capital Improvements category. Nominating entities are not to include either the total point value or the point values by criteria in their responses. Nominations will be reviewed and scored by the Capital Improvements subgroup. Explain how the project meets each applicable criterion.

- 1. SUSTAINABILITY & MODERNIZATION:** The project supports, or plans to support, conservation, preservation, restoration, or modernization of natural, cultural, or historic resources (which includes infrastructure) to ensure availability of those resources for future generations. The agency has shown the project is feasible and will remain relevant and continue to provide benefit to a recreation user over the anticipated life of the project. Clearly explain what the anticipated design life of the project is and identify what and how the natural resources will be sustained.

- A. A new project or facility, or planning for a new project or facility, including employee housing, designed specifically to engender conservation stewardship and provide new opportunities within the management area that is ecologically, economically, and socially sustainable for present and future generations and restore or preserve natural resources or cultural resources of the area. Directly supports the conservation and stewardship of natural and cultural resources.*

Answer: Staff and equipment housed in the Mead District Public Safety Annex is responsible for protecting significant cultural (historic and tribal, including St. Thomas and the Lost City) and natural resources (including gypsum soil ecosystems that support several endangered species and 5 wilderness areas), as well as housing (park and public) and public facilities such as the visitor center, restrooms, stores, restaurants, picnic areas, and marinas.

The Annex consolidates wildland and structural firefighting, law enforcement, and emergency medical services, housing all equipment in a secure, temperature controlled, and well-organized environment for a more rapid and effective response to emergencies. This project will incorporate options for sustainable/renewable energy sources and will select a site that strikes the best balance of footprint, orientation, viewshed/historic/environmental protection, cost savings, and efficiency for emergency response.

- B. Modernization or rehabilitation, or planning for the modernization or rehabilitation, of an existing project, facility and/or amenities to enhance the visitor experience, improve unit operations, and reduce or eliminate user impacts to the natural or cultural resources, or restore natural processes within the immediate project area.*

Answer: The Mead District Public Safety Annex is a modernization project that upgrades and consolidates multiple scattered emergency facilities that are housed in temporary or makeshift facilities either not designed for emergency support and/or have been outgrown. Expensive (million dollar plus) equipment sits outside in extreme conditions, which is rapidly deteriorating this critical equipment and increasing time and expenses for maintenance. Through consolidation and modernization the new annex will decrease emergency response time – protecting visitor health, safety, and well-being, as well as protecting the facilities that support visitors (e.g. restrooms, the visitor center, stores, restaurants, marinas) and community members that live in the park. (There are 1096 structures in the Mead Emergency District.)

- C. Planning of, or conservation and stabilization, restoration, or rehabilitation of, significant historic buildings, cultural sites, and other significant historic facilities for the present and future generations to enjoy and appreciate the areas cultural heritage.*

Answer: This project will provide a facility for a more rapid and effective response to wildland fires and human behaviors (such as vandalism and illegal off road vehicle use), which can rapidly destroy historic and cultural sites. The Mead District houses some of the park's most significant historic and cultural resources (St. Thomas, Lost City, 5 wilderness areas, and 1096 structures.)

- D. New facilities, or planning for a new facility, that enhances or improves management of public lands. These might include visitor centers, contact stations, and campgrounds to improve public access; housing for staff, interns, and volunteers to carry out programs for improved conservation, education; and curation facilities and workspace to improve conservation of natural and cultural resources and opportunity for educational programming.*

Answer: The Mead District Public Safety Annex enhances the security and safety of equipment, employees, and the public in multiple ways:

- *Fire Operations* (fire suppression, prevention, hazardous fuels removal, and helicopter support) across the northern arm of the park (which sees more than 50% of the parks 6,000,000 visitors), contains 5 wilderness areas, and contains some of the parks most significant cultural resources and natural resources (e.g. desert tortoise habitat and gypsum soil ecosystems that support multiple endangered species).
- *Law Enforcement* to support some of the busiest beaches, camping, and recreational activities in the park (e.g. swimming, boating, hiking), as well as manage/help prevent the ongoing use and creation of illegal roads, as well as, crime response and prevention.
- *Search and Rescue, Emergency Medical Response* – Lake Mead NRA has the highest number of deaths annually than any park in the National Park System. The need for well equipped, prepared, and efficient medical and emergency response is critical to the visitor experience.
- *Offices and Work Center* from which NPS and partner agency staff can work individually and together as needed to respond to complex emergency events, prepare for managing and protecting large events (like triathlons and fishing tournaments) to protect visitors/participants, along with the quality and quantity of the environment.

2. **CONNECTIVITY:** The project provides, or plans to provide, recreational opportunities that link population centers, recreation facilities, and the user to the outdoors and natural landscapes. It encourages people to meaningfully connect with their natural environment, thus helping them appreciate and care for the environment. The project will also connect the user to the history and/or cultural of the site and engages the user in appreciation of the site/area.

- A. Provides, or plans to provide, new, upgraded, or modernized feasible access and/or amenities or infrastructure to previously under-served areas and/or new opportunities to enjoy/appreciate public lands (e.g., trails, kiosks with location maps and site information, roads, parking, way-finding, restrooms, day use or overnight camping).*

Answer: There are numerous cultural, historical, and natural resource values (e.g. historical structures, archeological sites, wildlife habitat, endemic species, recreational sites, etc.) which the NPS will be better able to protect and manage as a result of this project. It will enhance the park's abilities to respond to fires and illegal activities that can have significant impacts on these resources.

- B. Improves, or plans to improve, access to previously developed recreation areas and sites on public lands and/or rehabilitates, upgrades, or modernizes site amenities (e.g., improves access to trails, area or site information and way-finding, converts high*

*clearance access roads to passenger vehicle accessible roads, and/or improves parking).*

Answer: This does not apply.

- C. *Provides, or plans to provide, new or additional recreation opportunities by connecting two or more existing recreational facilities/areas or cultural sites, and increased access to primitive or developed outdoor recreation and educational opportunities to meet increased user demand.*

Answer: The Mead District Public Safety Annex consolidates/connects multiple scattered emergency support facilities and provides expanded facilities to house more NPS emergency staff and partner agencies, as well as securely store more emergency equipment and supplies, which in turn supports increased user demand and emergency events that occur with increase visitation.

- D. *Contains an outreach and education or stewardship component to improve public awareness and engage the public in the conservation and protection of the surrounding natural environment through the use of resource interpretation (e.g., information signage, kiosks, on-site docent accommodations, educational programs, restoration, revegetation, invasive species removal, cultural site protection).*

Answer: The Mead District Public Safety Annex supports emergency personnel and law enforcement personnel who interact with and educate park visitors on resource protection and safety (such as the park's ban on pool toys, the availability of life jacket loaner stations, and fire rules.)

3. **COMMUNITY:** The project provides, or plans to provide, or improves outdoor recreation opportunities to improve the quality of life, especially for underserved communities. It conserves or restores, or plans to conserve or restore, the functionality, resiliency, and integrity of biological communities, and/or addresses affordable employee housing. The project encourages partnerships, which in turn builds community. *(Encourages and engages the public in the conservation and protection of the surrounding natural environment through use of volunteer/stewardship resources)*

- A. *Outdoor recreation projects that provide, or plans to provide, economic benefits to local communities and social benefit to the recreationist and are responsive to changing demographics. The project has demonstrated feasibility and has agreements or partnerships in place for the planning, design, implementation, and/or management of the project.*

Answer: Answer: The Mead District serves a large Hispanic/latinx population, growing African American populations, as well as multiple nearby tribes including Las Vegas Paiute and Moapa. Building the facilities will likely employ local/nearby trades people/construction workers. In addition, the expanded facility will enable the park to potentially hire and have working facilities for staff, most of whom would likely come from the local communities.

- B. *Project has identified committed non-SNPLMA sources of funding or in-kind contribution for the planning, design, and development of the project.*

Answer: The park has invested \$70,000 on pre-scoping documents for the building.

- C. *Project provides agency or unit support/administrative infrastructure in underserved areas to improve management of, conservation stewardship, educational programming, and access to, public lands.*

Answer: Lake Mead National Recreation Area sees a high percentage of latino visitors who enjoy setting up tents, cooking meals, and having large family gatherings at the lake. Our emergency services staff regularly engage with park visitors to ensure safe practices are occurring (e.g. if pool toys are being used, the resource protection rangers inform visitors of the dangers and encourage using life jackets from the park's life jacket loaner stations.) Resource protection rangers also interact with people who are "boondocking"/engaging in dispersed camping activities, which can damage natural and cultural resources if done outside of designated areas.

- D. *Supports, or plans to support, community through affordable employee housing to promote economic development, enhance the quality of life, and improve the productivity and management of public lands.*

Answer: N/A

4. **OPERATIONS AND MAINTENANCE:** The agency has clearly demonstrated that the anticipated operations and maintenance costs for the project and resources necessary to operate the project are within existing appropriations or demonstrated how they will secure the necessary operations and maintenance funds. *(Agency has detailed the estimated annual O&M costs, estimated use, and permit fees to be collected, if applicable.)*

- A. *The agency has demonstrated that the project is feasible and current appropriations are sufficient for the operations and management of the new project or that O&M costs will be reduced after reconstruction and will be offset by concessionaire or volunteer labor for O&M.*

Answer: The park currently supports the operations and maintenance costs for all emergency services support and facilities. The existing set-up consists of scattered facilities in multiple buildings that are either temporary or old and have been "converted" for their current, but unintended use. The park estimates it will save approximately \$11,000 annually by building the Mead District Public Safety Annex. These savings come from increased efficiencies from thoughtful, quality, environmentally sustainable construction, secure, climate-controlled storage of equipment and supplies, and less driving to multiple buildings scattered across this area of the park.

- B. *Volunteers or partners will be responsible for operation and maintenance of the project and agency funds will not be needed.*

Answer: Not applicable

- C. *The agency has included the current O&M costs, if any, and how this project will reduce current operations and maintenance costs. The entity has clearly shown what the anticipated savings will be, and/or how the project will reduce water use or energy costs for utilities or other O&M costs.*

Answer: Consolidating the dispersed emergency services buildings will save significant operational costs. The current annual operations and maintenance costs for all existing Mead District safety support and response buildings is \$19,500. That is in *addition to* the minimum \$5000 per year *extra* spent on maintenance to emergency vehicles and related equipment due to the inadequate storage buildings/exposure to the elements (totaling at least \$24,500 for basic annual operations). Because of design efficiencies and consolidation, the operations and maintenance costs for the new Mead District Public Safety Annex are estimated to be \$13,500 – an \$11,000 annual savings.

- D. *Project would improve, or plans to improve, energy efficiency and/or independence.*

Answer: Current emergency services buildings are old or temporary and not energy efficient. The new Mead District Public Safety Annex will utilize sustainable materials with high energy efficiency and longevity coupled with a design that maximizes passive solar gain in the winter and reduced solar gain the summer. HVAC systems will be energy efficient and the park plans to use solar power and water collection/grey water re-use to offset energy and water use in the building. If possible, the project will strive to obtain a LEED silver rating level.

5. **LIFECYCLE REPLACEMENT/RECONSTRUCTION AND DEFERRED**

**MAINTENANCE:** Any existing project or facility that has met or exceeded its useful life, design life, or life cycle that requires major restoration or reconstruction, or plans for major restoration or reconstruction, to restore the historic fabric of the facility or meet standard new Federal accessibility guidelines. *(Does not include reconstruction, changes, or new amenities for previously approved SNPLMA capital improvement projects. Excludes projects that were identified as phased construction, each phase must be fully operational and serve the intended purpose upon completion.)*

- A. *The project remains relevant, but has exceeded its useful design life, does not meet current federal accessibility standards, or deferred maintenance costs exceed the cost of replacement or reconstruction.*

Answer: Increased visitation need increased space, no showers for decontamination,

- B. *Current use has exceeded the original planned visitation/use and impacts have created a need to replace or reconstruct, or plans to replace or reconstruct, the facility earlier than originally intended and increased deferred maintenance costs exceed the cost of replacement or reconstruction. The project proposal shows the current annual maintenance costs and the anticipated savings after construction/reconstruction is complete.*

Answer: The Ranger Station, which houses offices, holding cells, evidence storage, and workout facilities, is in an old converted hot dog stand. The building was remodeled in 2018 and had carpet, paint, and communications upgrades in 2019 and 2021 respectively. Although functional, it lacks some structural features and integrity for security and staff safety and the facilities are too small or inadequate for several important functions (such as evidence storage, which is shared with NDOW). The other public safety buildings for the Mead District were designed to be temporary, are too small, do not have the required features for functional emergency services buildings, and/or lack proper climate control for emergency supplies and equipment. The distribution of the buildings across the Boulder Beach area also impact emergency response. The type, physical state, and physical location of these buildings necessitate the best solution – a single, purposefully designed, consolidated building.

## L. ORDERS AND PRIORITIES

Respond to the Executive Orders, Secretarial Orders, Department of the Interior Priorities, and USDA Forest Service Priorities as they apply to the purpose of the nomination.

### 1. Executive Orders (EO):

#### 0. ***EO No. 13855: Promoting Active Management of America's Forests, Range Lands to Improve Conditions and Reduce Wildfire Risk***

The Public Safety Annex will consolidate and protect all of the wildland and structural fire equipment for the Mead District end of the park, as well as house all the fire-fighting staff (who also protect Parashant/Grand Canyon National Monument). The Mead District is approximately 532 square miles/340,526 acres and contains 5 wilderness areas and public facilities such as the visitor center, marinas, restaurants, stores, park housing, and public housing areas.

#### 1. ***EO No. 14004: Ensuring the Future is Made in All of America by All of America's Workers***

All contracts and purchased supplies and materials will be in accordance with this Executive Order and all Federal Acquisition Regulation guidelines.

- ***EO No. 14063: Use of Project Labor Agreements for Federal Construction Projects***

*(applicable to projects estimated at \$35 million or more)*

This project is less than \$35 million.

- ***EO No. 14072: Strengthening the Nation's Forests, Communities, and Local Economies***  
Local construction contracts will support the local businesses, economies, and communities.
- ***EO No. 14096: Revitalizing Our Nation's Commitment to Environmental Justice for All***  
This project does not have a direct connection to this EO.

## 2. Secretarial Orders

### 1. ***SO No. 3347: Conservation Stewardship and Outdoor Recreation.***

Emergency personnel, including resource protection/law enforcement rangers who are supported by the proposed Public Safety Annex building are important in advancing conservation stewardship through their interactions with the public (for example asking/reminding visitors to remove trash/leave no trace, monitoring/advising the public on fires when dispersed camping, not driving on or creating illegal roads, etc.

### 2. ***SO No. 3356: Hunting, Fishing, Recreational Shooting, and Wildlife Conservation Opportunities and Coordination with States, Tribes and Territories.***

Fishing and fishing tournaments are a major recreational opportunity at Lake Mead National Recreation Area. Seasonal permitted hunting is also allowed in certain locations of the park. The Mead District Public Safety Annex supports these activities by patrolling and maintaining a safe environment, ensuring proper permits have been obtained (providing resource protection), and educating visitors. When emergencies happen (hit by drunk boaters, drownings, boat fires, boat accidents, etc.), this station and these rangers are all that is available to help these visitors.

### 3. ***SO No. 3362: Improving Habitat Quality in Western Big-Game Winter Range and Migration Corridors.***

This project does not have a direct connection to this SO

### 4. ***SO No. 3366: Increasing Recreational Opportunities on Lands and Waters Managed by the U.S. Department of the Interior***

The Mead District Public Safety Annex will help increase recreational opportunities on lands and waters by providing having rangers provide information, education, and

security so people feel safe, act safe, and enjoy their recreational experiences.

5. ***SO No. 3370: Conservation Stewardship and Increasing Public Access to Urban National Wildlife Refuges.***

This project does not have a direct connection to this SO.

6. ***SO No. 3372: Reducing Wildfire Risks on Department of the Interior Land Through Active Management.***

This project reduces wildfire risks on DOI land in several ways: It houses fire engines that respond to trailer fires, dumpster fires, vehicle fires that often ignite vegetation resulting in wildfire; It provides a building built to code, that reduces fire risk to our own public lands; It reduces our footprint. Each facility adds more risk (more utilities, etc.) We are taking three make-shift fire hazard laden buildings and consolidating them to one up-to-code building.

7. ***SO No. 3373: Evaluating Public Access in Bureau of Land Management Public Land Disposal and Exchanges (focus is on Sec. 4.b.(3) Potential increased public recreational access to existing public lands resulting from the proposed land acquired through an exchange (acquisition).***

This project does not have a direct connection to this SO.

8. ***SO No. 3376: Increasing Recreational Opportunities through the use of Electric Bikes.***

This project does not have a direct connection to this SO.

3. Department of the Interior Priorities:

- ***Identifying steps to accelerate responsible development of renewable energy on public lands and waters.*** *We are investing in climate research and environmental innovation to incentivize the rapid deployment of clean energy solutions, while reviewing existing programs to restore balance on America's public lands and waters to benefit current and future generations.*

This project plans to use renewable energy. Solar panels will be placed on the roof or on covered parking.

- ***Strengthening the government-to-government relationship with sovereign Tribal Nations.*** *We understand that tribal sovereignty and self-governance, as well as honoring the federal trust responsibility to Tribal Nations, must be the cornerstones of federal Indian policy.*

This project does not have a direct connection to this priority.

- ***Making investments to support the Administration’s goal of creating millions of family-supporting and union jobs.*** This includes establishing a new Climate Conservation Corps Initiative to put a new generation of Americans to work conserving and restoring public lands and waters, increasing reforestation, increasing carbon sequestration in the agricultural sector, protecting biodiversity, improving access to recreation, and addressing the changing climate.

This project will support numerous new jobs, both within the park and in union-supporting construction/trade jobs.

- ***Working to conserve at least 30% each of our lands and waters by the year 2030.*** We will work to protect biodiversity, slow extinction rates, and help leverage natural climate solutions by conserving 30% of America’s lands and waters by 2030. This relies on support for local, state, private, and tribally led conservation and restoration efforts that are underway across America.

This project indirectly supports this priority by providing improved and expanded facilities to house/support law enforcement/resource protection rangers who help protect the lands and water conserved by the park.

- ***Centering equity and environmental justice.*** The impacts of the multiple crises in the United States are not evenly distributed in our society. Communities of color, low-income families, and rural and indigenous communities have long suffered disproportionate and cumulative harm from air pollution, water pollution, and toxic sites. At every step of the way, Interior will engage diverse stakeholders across the country, as well as conduct formal consultation with Tribes in recognition of the U.S. government’s trust responsibilities.

This project does not have a direct connection to this priority.

#### 4. USDA Forest Service Priorities:

- ***Controlling the COVID-19 pandemic***

Click or tap here to enter text.

- ***Providing economic relief***

Click or tap here to enter text.

- ***Tackling climate change***

Click or tap here to enter text.

- ***Advancing racial equity***

Click or tap here to enter text.

- ***Improving our workforce and work environment***

Click or tap here to enter text.

## **M. MAPS**

Maximum of six maps, labeled with a description. Maps must include a scale, title, the author, north arrow, date and time or preparation, and a legend. Upload maps as JPEG in the Nomination Portal.

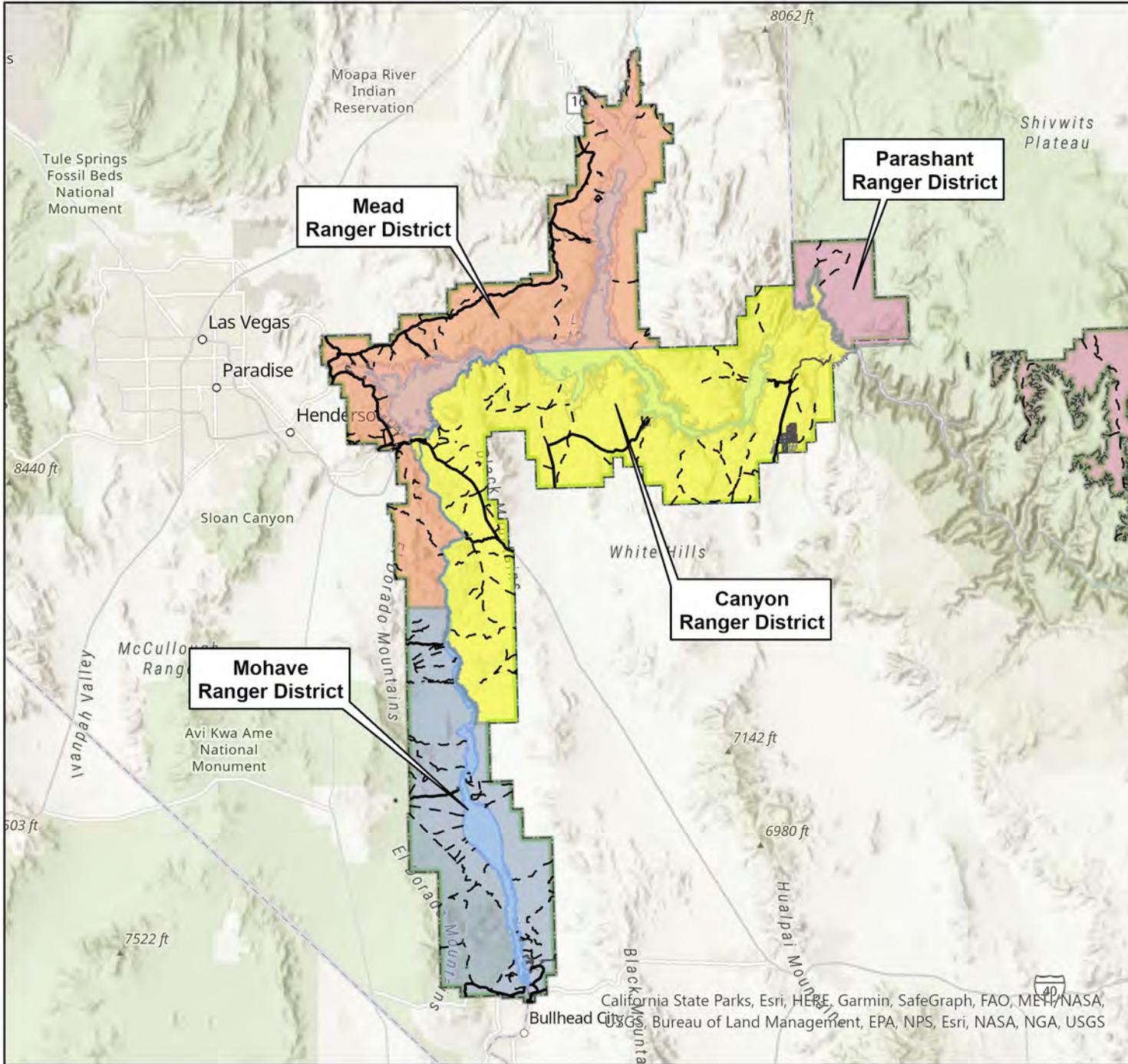
## **N. PHOTOS**

Maximum of six photos, up to 20mg each or less. Provide descriptions. Upload photos as JPEG in the Nomination Portal.

# Emergency Services Coverage at Lake Mead NRA

SNPLMA - Round 20 Proposal - Mead District Public Safety Annex at Boulder Beach

Lake Mead National Recreation Area  
Arizona/Nevada  
National Park Service  
U.S. Department of the Interior



**VRP Ranger Districts**

- Canyon
- Mead
- Mohave
- Parashant
- Lake Mead NRA Boundary
- Highway
- Major Road
- Local Road
- Approved Backcountry Road
- Other Unpaved Road

0 10 20 Miles

0 20 Kilometers

10/31/2023  
By LAKE, GIS Office

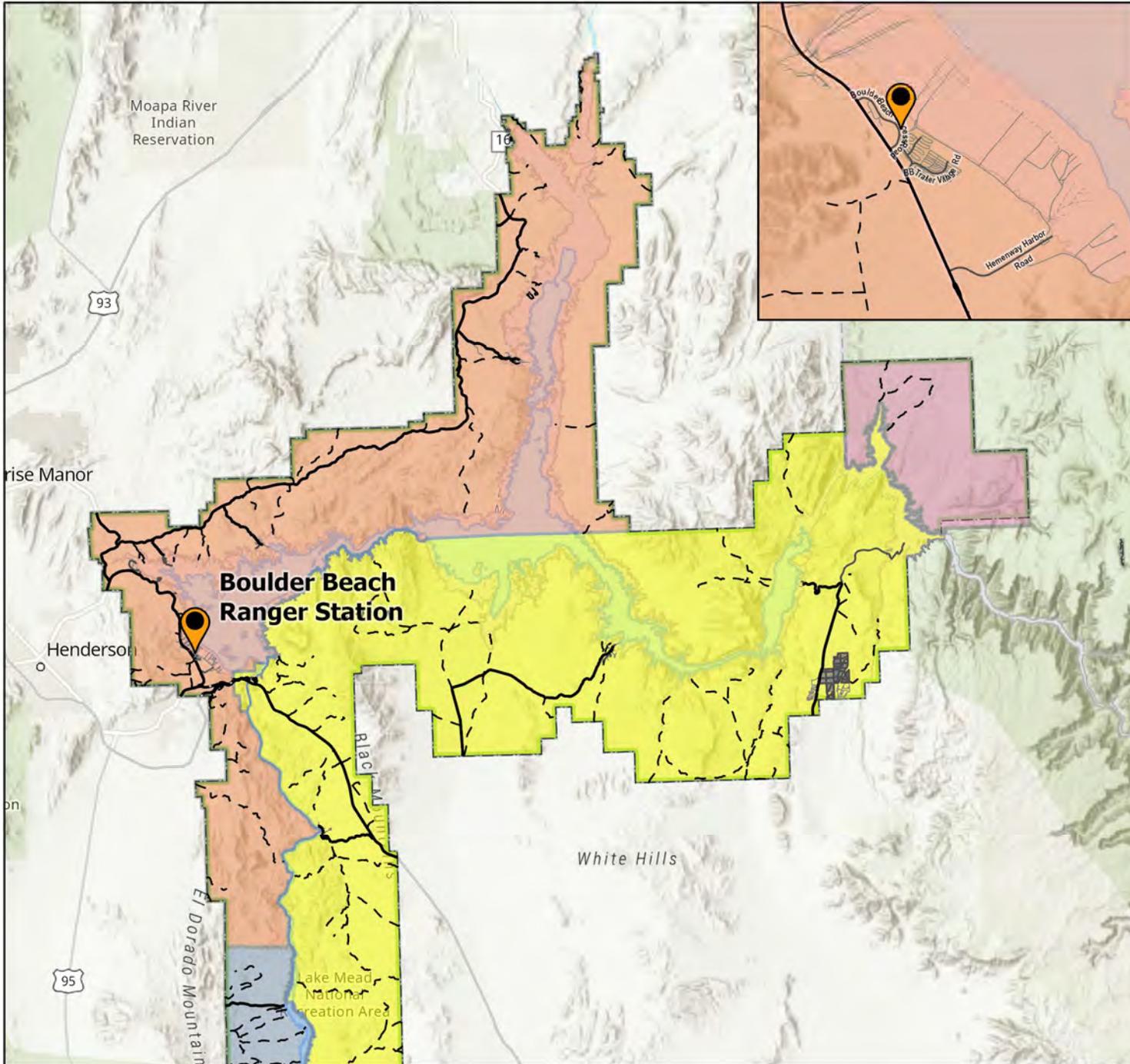


California State Parks, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, Bullhead City, Esri, Bureau of Land Management, EPA, NPS, Esri, NASA, NGA, USGS

# Mead District Current Boulder Beach Ranger Station

SNPLMA - Round 20 Proposal - Mead District Public Safety Annex at Boulder Beach

Lake Mead National Recreation Area  
Arizona/Nevada  
National Park Service  
U.S. Department of the Interior



## VRP Ranger Districts

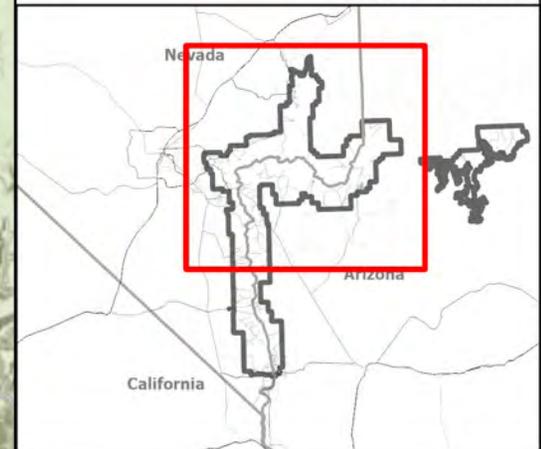
- Canyon
- Mead
- Mohave
- Parashant
- Lake Mead NRA Boundary
- Highway
- Major Road
- Local Road
- Approved Backcountry Road
- Other Unpaved Road



0 7 14 Miles

0 10 Kilometers

10/31/2023  
By LAKE, GIS Office





Pre-scoping building layout & design for Katherine Landing (Mohave District).

The same building design and scoping will be used for the Mead District Public Safety Annex (Boulder Beach) with minor modifications. Site orientation/location scoping still needs to be done for this location.

Nomination Title: NPS: Mead District Public Safety Annex

Map 2: Dispersed Locations of the Boulder Beach Resource Protection Ranger Station, Structural Fire Station, and Storage Buildings



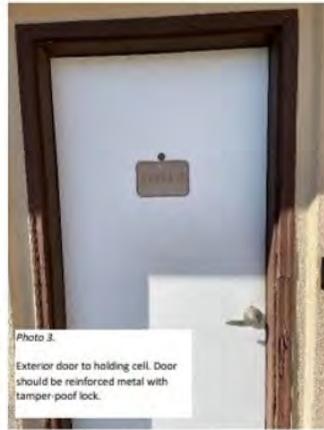
Overview of Boulder Beach developed area and Visitor and Resource Protection (VRP) facilities.

1. Boulder Beach Ranger Station
2. Structural Fire Station (Station 4)
3. Storage Building

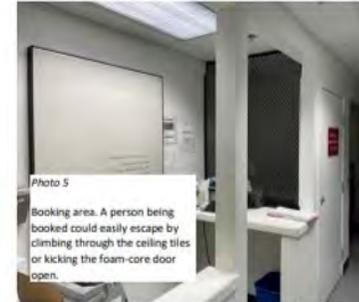
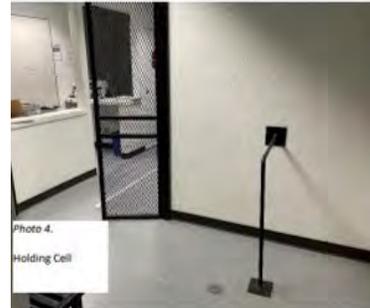


Expanded Overview of Boulder Beach developed area to include Emergency Medical Supplies Storage at the NPS "Safety First Complex."

Mead District Boulder Beach Existing Ranger Station, Structural Fire Station, Storage Building



Mead District Boulder Beach Existing Ranger Station, Structural Fire Station, Storage Building



Mead District Boulder Beach Existing Ranger Station, Structural Fire Station, Storage Building

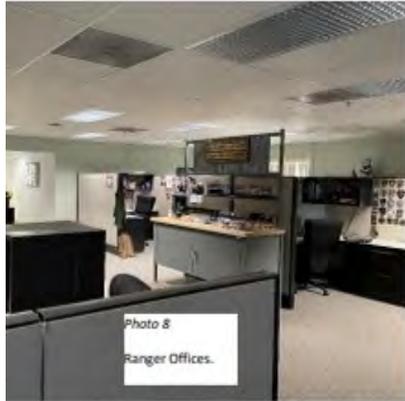


Photo 8  
Ranger Offices.



Photo 9  
Entrance long-term evidence Storage. Blue cabinets are temporary evidence storage.



Equipped with evidence processing desk. Evidence is stored in containers from the long-term evidence storage.



Photo 11  
Long-term evidence storage room. Evidence storage is at corner with undersized vent fan.

Mead District Boulder Beach Existing Ranger Station, Structural Fire Station, Storage Building



Photo 11  
Boulder Beach Structural Fire Station 48. Metal building constructed in the mid-80's. Notice the open storage area with emergency vehicle and failing pavement.



Photo 12  
Interior photo. Building size inadequate for modern fire engines with gear storage.

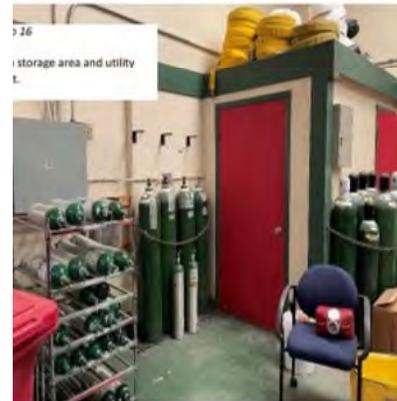
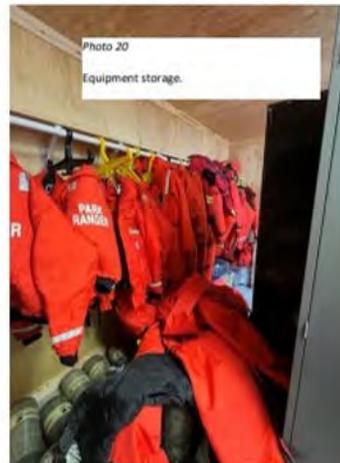
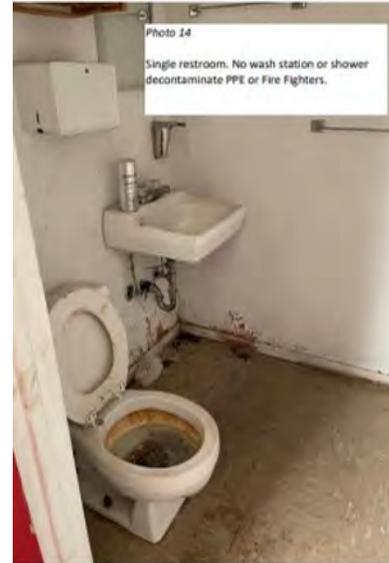


Photo 13  
Limited storage area for PPE. Note, no garage ventilation system to remove engine exhaust gases.

Mead District Boulder Beach Existing Ranger Station, Structural Fire Station, Storage Building



Mead District Boulder Beach Existing Ranger Station, Structural Fire Station, Storage Building



# SNPLMA ROUND 19 NOMINATION

## Capital Improvements

### Performance Measures

NPS Mead District Public Safety Annex Nomination

<b>SNPLMA FY2020-FY2024 STRATEGIC PLAN GOAL 1: Sustain the Quality of the Outdoor Environment by Conserving, Preserving, and Restoring Natural and Cultural Resources</b>		
<b>Performance Measures for Habitat Enhancement</b>	<b>Definition of Performance Measure</b>	<b>Quantity</b>
H2 - Miles of Riparian Stream or Shoreline Habitat Treated, Enhanced, or Restored	Report the number of miles of riparian stream and/or shoreline vegetation and/or wildlife habitat treated, enhanced, or restored. This can include retreatment and/or maintenance treatments only if the initial treatment was not funded through SNPLMA and the miles have not been accounted for in the performance measures for another SNPLMA project. Include acres treated by fire for resource benefits, but not other types of wildland fire. Do not report treatments targeting invasive vegetation, as those should be reported under the H9 performance measure. Do not report hazardous fuels reduction projects, as those should be reported under either the F1 or F2 performance measures. Report to the nearest whole mile.	0
H3 - Miles of Riparian Stream or Shoreline Habitat Surveyed, Inventoried, or Monitored	Report the number of miles of riparian stream and/or shoreline vegetation and/or wildlife habitat surveyed, inventoried, or monitored. Report to the nearest whole mile.	0
H4 - Acres of Upland Habitat Treated, Enhanced, or Restored	Report the number of acres of upland vegetation and/or wildlife habitat treated, enhanced, or restored. This can include retreatment and/or maintenance treatments only if the initial treatment was not funded through SNPLMA and the acres have not been accounted for in the performance measures for another SNPLMA project. Include acres treated by fire rehabilitation projects or by fire for resource benefits, but not other types of wildland fire. Do not report treatments targeting invasive vegetation, as these should be reported under the H9 performance measure. Do not report hazardous fuels reduction projects, as these should be reported under either the F1 or F2 performance measures. Report to the nearest whole acre.	0
H5 - Acres of Upland Habitat Surveyed, Inventoried, or Monitored	Report the number of acres of upland vegetation and/or wildlife habitat surveyed, inventoried, or monitored. Report to the nearest whole acre.	0
H6 - Acres of Wetland / Riparian Habitat Treated, Enhanced, or Restored	Report the number of acres of wetland vegetation and/or wildlife habitat treated, enhanced, or restored. This can include retreatment and/or maintenance treatments only if the initial treatment was not funded through SNPLMA and the acres have not been accounted for in the performance measures for another SNPLMA project. Include acres treated by fire rehabilitation projects or by fire for resource benefits, but not other types of wildland fire. Do not report treatments targeting invasive vegetation, as these should be reported under the H9 performance measure. Do not report hazardous fuels reduction projects, as these should be reported under either the F1 or F2 performance measures. Report to the nearest whole acre.	0

H7 - Acres of Wetland / Riparian Habitat Surveyed, Inventoried, or Monitored	Report the number of acres of wetland vegetation and/or wildlife habitats inventoried or monitored. Report to the nearest whole acre.	0
H8 - Number of Water Developments Constructed or Improved for Wildlife	Report the number of water developments for use by wildlife constructed or improved/repared within all habitat types. Existing projects may be counted under this performance measure if functional improvements/repairs are made as defined in the project nomination. Report each development constructed or improved as one unit (e.g., one project may have three water developments).	0
H9 - Acres of Invasive Plant Species Treated or Restored	Report the number of acres of weed infestation treated with chemical, mechanical, physical, or biological control agents for the purpose of weed control. Include acres treated by fire when fire is used as a physical control agent for weed control rather than as a hazardous fuels treatment. Each acre treated is counted only once during the life of the project, no matter how many re-treatments occurred during the project. Report to the nearest whole acre.	0
H10 - Acres of Invasive Plant Species Surveyed, Inventoried, or Monitored	Report the number of acres of weed infestation inventoried or monitored. Include monitoring of weed treatment projects reported under performance measure H9. Report to the nearest whole acre.	0
H14 - Number of Threatened and Endangered Species Recovery Actions Implemented	Report the number of individual recovery actions performed for threatened or endangered species recovery as identified in recovery plans, conservation management plans, or land use planning documents. Include surveys, inventories, and monitoring as recovery actions. Note: One distinct action repeated 5 times over the course of the project would report as 1 action, not 5. The same recovery action conducted at distinct sites can be counted once for each site (this does not apply to individual plots within one single project site). The number of acres over which the actions were taken are reported under either H4 or H6. Report each action as one unit.	0
H15- Number of Conservation Actions Implemented for Non-Listed Species	Report the number of individual conservation actions for species not listed under the Endangered Species Act. Note: One distinct action repeated 5 times over the course of the project would report as 1 action, not 5. The same conservation action conducted at distinct sites can be counted once for each site (this does not apply to individual plots within one single project site).The number of acres over which the actions were taken are reported under either H4 or H6. Report each action as one unit.	0
H16 - Miles of Roads or Trails Decommissioned and/or rehabilitated	Report the number of miles of roads and/or trails decommissioned and/or rehabilitated within all habitats (urban, upland, riparian, stream, trails in caves, etc.). Closure may include designation, signing, blockage by physical means, obliteration, etc. Report to the nearest whole mile.	0
H17 – Miles of Roads or Trails Surveyed, Inventoried, or Monitored	Report the number of miles of roads and/or trails inventoried or monitored. Report to the nearest whole mile or linear foot. Report to the nearest whole mile.	0
<b>Performance Measures for Cultural / Paleontological Resources</b>	<b>Definition of Performance Measures</b>	<b>Quantity</b>
C1 - Number of Cultural or Historic Sites or Structures Stabilized or Protected	Report the number (one unit for each site or each structure) where work is completed to protect, stabilize, restore, excavate, and/or manage cultural features. For sites receiving multiple treatments, count each site only once, but if multiple structures are on a site, count each structure separately. For example an archeological dig site would be counted as one although multiple excavations may take place on the site, whereas a site having remnants of three separate dwellings would be counted as three. Report installation of interpretive signs and structures (e.g., kiosk	0

	displays) under O6. Report administrative actions such as mineral withdrawals, closures, or special designations under H1. Report each site or structure as one unit.	
C2 - Number of Cultural or Paleontological Artifacts Protected	Report the number of cultural and/or paleontological artifacts protected, stabilized, or catalogued. Report one unit for each repatriation or transfer of custody of Native American human remains, funerary objects, sacred objects, and/or objects of cultural patrimony (cultural items) held in collections, pursuant to Title 43 CFR Part 10.10.; each instance in which all requirements of Title 43 CFR Part 10.10 have been met but where actual repatriation has not been completed because of decisions made by lineal descendants or Indian tribes or lack of a valid claim; and reburial of repatriated cultural items on BLM public lands. Report the number of accessions cataloged, inventoried, rehusod and/or otherwise upgraded. Materials from several sites or localities that are accessioned and cataloged under a single accession number should be considered one unit. An accession for which any one or more of the tasks of cataloging, inventorying or upgrading has been completed should be reported as one unit. Report each artifact as one unit.	0
C3 - Acres of Cultural / Paleontological Resources Surveyed, Inventoried or Monitored	Report the number of acres of land surveyed, inventoried, or monitored for cultural and/or paleontological resources. Include acres surveyed using Class I study of existing information inventory, Class II probabilistic field survey, or Class III intensive field survey and resultant inventory as required by Section 14 of the Archaeological Resources Protection Act (ARPA) or Section 110 of the National Historic Preservation Act (NHPA). Report to the nearest whole acre.	0

<b>SNPLMA FY2020-FY2024 STRATEGIC PLAN GOAL 2: Improve the Quality of Life for all Publics in Urban and Rural Communities by Enhancing Recreational Opportunities that Connect People with the Outdoor Environment</b>		
<b>Performance Measures for Recreation Management</b>	<b>Definition of Performance Measures</b>	<b>Quantity</b>
R3- Number of New Recreational Facilities / Structures Constructed or Improved	Report the number of new recreational buildings, structures, park amenities, or similar facilities constructed or improved. Existing recreational facilities may be counted under this performance measure if functional improvements are made as defined in the project nomination. Include shade shelters, picnic areas, playgrounds, arenas, amphitheaters, pedestrian bridges, etc. Do not report acres of land acquired for new parks or natural areas as this should be reported under performance measure R5 or R6. Report each facility or structure as one unit.	1
R4- Miles of New Recreational Roads / Trails Constructed or Routes Improved	Report the number of miles of new recreational roads and/or trails constructed or improved. Restoration of existing roads and/or trails may be counted under this performance measure if functional improvements are made as defined in the project nomination. Report to the nearest whole mile.	0

<b>SNPLMA FY2020-FY2024 STRATEGIC PLAN:            Other Performance Measures that Also Support the Three Values for SNPLMA Implementation            of Sustainability, Connectivity, and Community</b>		
<b>Other Performance Measures</b>	<b>Definition of Performance Measures</b>	<b>Quantity</b>
O1 - Number of Hazardous Sites Remediated	Report the number of hazardous sites where remediation actions are completed. Actions to be included are: removal of safety hazards, clean-up operations, restoration actions, and water quality remediation actions. Do not report temporary remediation measures. Report each site as one unit. When applicable, also report total weight of trash removed during clean-up operations.	0
O2 – Number of Buildings, Facilities and/or Amenities Constructed or Refurbished	Report the number of buildings, facilities, or amenities constructed or refurbished to improve access, functionality and/or health and safety for employees and the public, or to facilitate the integrity of resource values. Include cross walks, park/trail lighting, fencing, barriers, retaining walls, weirs, signing, security cameras, etc. Report each building, facility or amenity as one unit.	4 (security cameras, fencing, parking, side walk)
O6 - Number of New Interpretive or Education Publications/Signs/ Kiosks/Displays/etc. Produced	Report the number of new interpretive or education publications produced, signs produced and installed, public informational websites or other electronic media presentations designed and implemented, and informational or interpretive kiosk displays produced and installed. Report each item produced as one unit.	3
O8 – Buildings or Facilities that Support Green Sustainable Design and Construction	Report the percent reduction in the carbon footprint accomplished through green design, water conservation, energy independence, etc. Report the Leed certification level (silver, gold, platinum), if applicable. Report each building or facility as one unit.	1
O9 – Number of GIS Databases Generated and/or Map Layers Produced	Report the number of GIS databases created and/or the number of map layers produced to identify the location of natural resources within the environment and provide mapping for use in educational programs. Report each database or map layer as one unit.	0
O10 – Number of Volunteers Used	Report the number of volunteers used in educational or interpretive programs and for surveying, monitoring, or restoration activities. Report each volunteer as one unit.	0
O11 – Number of Databases, Reports, and Other Electronic Means of Documenting Activities	Report the number of new databases, electronic reporting tools, mathematical/statistical models, websites, or reports developed and implemented to document project and/or program work. Report each electronic document or method developed as one unit.	0
O12 – Number of Management Plans/Handbooks/Manuals/ Guides for Activity on Public Lands Completed (formerly under H11, F3, C4, and R1)*	Report the number of new or revised ecosystem restoration, hazardous fuels reduction, recreation, cultural, resource management, or other activity plans when the decision document for the plan is signed. Revisions include modification of a significant portion of the decisions in the activity plan. Do not report minor amendments or changes in these plans. Report each plan as one unit.	0

**\*Note:**

Performance Measures H11, F3, C4, and R1, from original list were generalized and combined into new Performance Measure, O12.

## **Glossary**

**Accession** – One or more objects and/or specimens acquired in the same manner from one source at one time for the museum property collection. Accessioning is the process of formally accepting and establishing permanent legal title (ownership) and/or custody for an object or specimen or group of objects and/or specimens. An accession can consist of materials and associated archives from a single site or fossil locality, or materials from several sites or fossil localities.

**Biological Treatments** – Treatment of vegetation using domestic animals, insects, etc.

**Chemical Treatments** – Treatment of vegetation with herbicides, etc.

**Inventory** – Collection and analysis of baseline information; counting number of a given species, cultural feature, etc.

**Mechanical Treatments** – Treatments using hand or motorized tools for mowing, chaining, ripping, thinning, seeding, etc.

**Monitoring** – Establishment of current status and/or trends in environmental variables

**Riparian Habitat** – Riparian habitat includes the interface between upland habitat and a river, stream, or lake, regardless of whether it is intermittent or perennial. Riparian habitats are characterized by vegetation adapted to growing in water or saturated soils. Includes riparian woodlands, forests, buffer zones, or strips.

**Survey** – Observing an area to determine if a species or resource exists after which an inventory may or may not be performed.

**Upland Habitat** – Upland habitats include Mojave desert, grassland, shrub lands, pinyon juniper forests, and woodland sites.

**Wetland Habitat** – Wetlands are saturated areas, either permanently or seasonally, with characteristic vegetation adapted to its unique soil conditions.

Instructions: Put project cost estimates in Tabs 1-8. The values from those tabs will roll-up to this summary worksheet. The Non-Federal Contribution can be entered in Tabs 1-8 as a whole amount, it does not need to be broken out by unit cost.

**PROJECT BUDGET**

<b>Project Name:</b>		<b>Date:</b>	
<b>Project Manager:</b>		<b>Agency:</b>	
<b>Cost Categories</b>		<b>SNPLMA</b>	<b>Non-Federal Contribution</b>
1. Personnel (labor plus benefits)		\$ 5,255,303.00	\$ -
2. Travel		\$ -	\$ -
3. Training		\$ 1,000.00	\$ -
4. Equipment		\$ 18,000.00	\$ -
5. Supplies/Materials		\$ -	\$ -
6. Contracts and/or Agreements		\$ 20,000,000.00	\$ -
7. Vehicle Use		\$ 2,616.00	\$ -
8. Other Necessary Expenses		\$ 83,310.00	\$ -
<b>9. TOTAL PROJECT BUDGET</b>		<b>\$ 25,360,229.00</b>	<b>\$ -</b>

Notes: Portions of this budget are reduced to illustrate cost-sharing/increased efficiency savings by constructing two Public Safety Annexes at two different locations at the Park (see "Public Safety Annex: Boulder Beach" proposal). The cost-shares are described under each relevant line item. These buildings are the same layout/plan and cost savings are anticipated by having staggered construction occurring at both sites at the same time using the same contractors and the same materials used at each site.

## 1. PERSONNEL

Include labor costs for all aspects of project implementation where agency labor will perform the work, e.g. planning and environmental documentation, section 106 compliance, labor to perform implementation, project management, interdisciplinary team (ID team), engineering, etc. Labor expense documentation must correlate the individual labor expense with the deliverable, task, or subtask. Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total labor costs.

Description of Role	Unit	Unit of Measure	Unit Cost	SNPLMA	Non-Federal Contribution
Aimee Warner-Marcum, Supervisory Engineer - GS 13 - 75 hours per year x 7 years - construction oversight/management, review and approval of engineering documents, supervise Engineering Technician (75 hours/year x 7 years = 600 hours)	525	Hours	\$ 51	\$ 26,775	\$ -
Stefani Dawn, Partnerships and Grants Management Specialist - GS-12- Grant Management quarterly report writing, overall deliverables progress, receipts organization (10% FTE x 7 years)	1456	Hours	\$ 48	\$ 69,888	
Construction Project Management - schedule tracking, coordinating with architects and engineers, setting up and overseeing contracts - 8 years total (National Park Service Denver Services Center, 30% of project cost.)	1	Job	\$ 4,500,000	\$ 4,500,000	\$ -
Engineering Technician (new term position) - 0.5 FTE - Term position - GS 9 - 7.5 years (30% Fringe, 5% increase per year, 6 months to hire) (6.5 years x 1040 hours = 6,760 hours)	6760	Hours	\$ 40	\$ 270,400	\$ -
Budget Analyst - 0.5 FTE - (new term position) - GS 9 - 7.5 years (30% Fringe, 5% increase per year, 6 months to hire) (6.5 years x 1040 hours = 6,760 hours)	6760	Hours	\$ 40	\$ 270,400	\$ -
IT Support (existing position) - GS 11 - 120 hours/year for planning (years 1-3), 240 hours/year (during construction, years 4-6), review and feedback of planning and construction documents (design team meetings, review plans, review specs), wiring and server installation near end of construction (480 hours year 7) (30% Fringe, 5% increase per year) (1680 hours)	1560	Hours	\$ 45	\$ 70,200	\$ -
Facilities Service Assistant (new term position) - 0.5 FTE, 6.5 years (6 months to hire) - supports with logistics coordination, data entry/tracking, communication, and asset management (30% Fringe, 5% increase per year, 6 months to hire) (6.5 years x 1040 hours = 6,760)	6760	Hours		\$ -	\$ -
Chris Nycz - Cultural Resource Manager - GS-11- Cultural Compliance - Katherine Landing building location is outside of the historic district but visual impacts analysis still need to be evaluated with respect to historic district, updated survey and photos, survey report for consultation letter, coordination and communication for regional historic landscape architect review, consultation letters to tribes and AZ SHPO	200	Hours	\$ 45	\$ 9,000	\$ -

Wyatt Medley - Environmental Protection Specialist - GS-12 - Oversee NEPA compliance activities - The location of the Boulder Beach building has not been finalized. Because of the area/possible sites it is anticipated it will meet categorical exclusions and EA is not required, however, since several site options will be considered, additional time will be needed for this project compared to Katherine Landing. Staging areas, extension of utility lines analysis - pre-construction analysis and consultation letters, monitoring during construction, post-construction close out (600 hours)	600	Hours	\$ 48	\$ 28,800	\$ -
Staff Archeologist (exisiting position) - GS-10 - site visits, photos, surveys. The location of the Boulder Beach building has not been finalized, additional surveying support may be needed for the Boulder Beach location.	120	Hours	\$ 41	\$ 4,920	\$ -
Staff Biologist (exisiting position) - GS-10 - site visits and surveys for compliance. The location of the Boulder Beach building has not been finalized, additional surveying support may be needed for the Boulder Beach location.	120	Hours	\$ 41	\$ 4,920	\$ -
		Hours		\$ -	\$ -
		Hours		\$ -	\$ -
		Hours		\$ -	\$ -
		Hours		\$ -	\$ -
		Hours		\$ -	\$ -

Total	\$	5,255,303	\$	-
-------	----	-----------	----	---

**2. TRAVEL**

Travel expenses must make a direct and logical contribution to the project's purpose and deliverables (including tasks and subtasks, as appropriate). Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total travel costs.

Description of Travel and Purpose	Unit	Unit of Measure	Unit Cost	SNPLMA	Non-Federal Contribution
None	0	Trip		\$ -	\$ -
	0	Trip	\$ -	\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -

<b>Total</b>	\$	-	\$	-
--------------	----	---	----	---

### 3. TRAINING

Training expenses must make a direct and logical contribution to the project's purpose and deliverables (including tasks and subtasks, as appropriate). Example, contracting officer representative or program officer/assistance agreement training, training for chainsaw use, training for pesticide application, visual resource management, etc. Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total training costs.

Description of Role	Unit	Unit of Measure	Unit Cost	SNPLMA	Non-Federal Contribution
Contracting Officer's Representative Training	1	Each	\$ 1,000	\$ 1,000	\$ -
	0	Each	\$ -	\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -

Total	\$	1,000	\$	-
-------	----	-------	----	---

#### 4. EQUIPMENT

Purchase, lease, or rental of equipment (not included in a contract or agreement) for project implementation. Equipment must make a direct and logical contribution to the project's purpose and deliverables (including tasks and subtasks, as appropriate). SNPLMA will only pay for the value of the equipment used during the project. The value of the equipment must be documented at the beginning and end of use to determine the amount SNPLMA will pay, if greater than \$5,000. Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total equipment costs.

Description of Role	Unit	Unit of Measure	Unit Cost	SNPLMA	Non-Federal Contribution
Shared vehicle for Engineering supervisor, Engineering Technician, project managers (\$500/month x 3 construction years)	36	Month	\$ 500	\$ 18,000	\$ -
	0	Month	\$ -	\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -

<b>Total</b>	<b>\$</b>	<b>18,000</b>	<b>\$</b>	<b>-</b>
--------------	-----------	---------------	-----------	----------

**5. SUPPLIES AND MATERIALS**

Supplies and materials necessary to complete the project. Supplies/materials must make a direct and logical contribution to the project's purpose and deliverables (including tasks and subtasks, as appropriate). Supplies/materials must be the minimum amount necessary to accomplish the project; purchasing extra supplies/materials to "stock the cache" for post project management activities is prohibited. Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total equipment costs.

Description of Role	Unit	Unit of Measure	Unit Cost	SNPLMA	Non-Federal Contribution
supplies are provided by the contractors	0		\$ -	\$ -	\$ -
	0		\$ -	\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -

<b>Total</b>	\$	-	\$	-
--------------	----	---	----	---



**7. VEHICLE USE**

Use of an agency/entity vehicle, purchase of a new vehicle, rental of vehicle, or any other vehicle use not covered under Equipment. If possible, use the agency/entity fixed operation rate (FOR) multiplied by the unit (miles or hours) over the life of the project. The FOR includes depreciation and wear and tear on the vehicle tires, wiper blades, routine vehicle maintenance, etc. If special tires or replacement tires or other vehicle equipment is necessary, please show it under "Equipment." Vehicle expenses must make a direct and logical contribution to the project's purpose and deliverables (including tasks and subtasks, as appropriate). Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total vehicle use to implement the project.

Description of Role	Unit	Unit of Measure	Unit Cost	Subtotal	Non-Federal Contribution
Supervisory Engineer travel from Boulder City to Boulder Beach, 6x/year, 7 years (10 miles round trip, \$0.80/mile)	420	Miles	\$ 1	\$ 336	\$ -
Engineering Technician from Boulder - 6x/year during design (years 1-4), 1/week during construction (years 5-7) (10 miles round trip, \$0.80/mile)	1800	Miles	\$ 1	\$ 1,440	\$ -
IT Support travel 6x/year (7 years) (10 miles round trip, \$0.80/mile)	420	Miles	\$ 1	\$ 420	\$ -
Compliance NPS staff travel 6x/year (7 years) (10 miles round trip, \$0.80/mile)	420	Miles	\$ 1	\$ 420	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -

<b>Total</b>	<b>\$</b>	<b>2,616</b>	<b>\$</b>	<b>-</b>
--------------	-----------	--------------	-----------	----------

### 8. OTHER NECESSARY EXPENSES

Other Necessary Expenses are time and materials necessary for project implementation but are not specific to any one deliverable (including tasks and subtasks, as appropriate). If you included the labor, equipment, and/or supplies and materials in the other sheets, do not include them here. Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total other necessary expenses to implement the project. This is not a complete list. Contact the SNPLMA Division for guidance on other necessary expenses.

Description of Role	Unit	Unit of Measure	Unit Cost	Subtotal	Non-Federal Contribution
Construction site security (increased patrols during construction - 3 years) (1 hour/day x 365 days x 3 years)	1095	Hours	\$ 58	\$ 63,510	\$ -
Cell phones for 3 new dedicated project staff (Engineering Tech, Budget Analyst, and Facilities Management Assistant)(\$200 for phone + \$60/month x 12 months x 6.5 years = \$4860 + \$200 = \$5,600)	3	staff	\$ 5,600	\$ 16,800	\$ -
Sewer System and Water System Fees	1	each	\$ 3,000	\$ 3,000	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -

<b>Total</b>	<b>\$</b>	<b>83,310</b>	<b>\$</b>	<b>-</b>
--------------	-----------	---------------	-----------	----------

**SNPLMA Round 20  
Capital Improvements Project Addendum**

**Nomination:** Tab 6

**Entity:** National Park Service, Lake Mead National Recreation Area

**Project:** Mohave District Public Safety and Community Annex at Katherine Landing

**Remarks/Clarifications Needed:**

**Overall Comment:**

Per the SNPLMA Strategic Values Plan CIP projects should “Sustain the quality of the outdoor environment by conserving, preserving, and restoring natural and cultural resources.”, and “Improve the quality of life for all publics in urban and rural communities by enhancing recreational opportunities that connect people with the outdoor environment.

Per the IA, “The purpose of nominations should not be to correct critical health and safety issues. The EC determined that urgent health and/or safety issues are the responsibility of the managing entity, should be corrected in a timely fashion, and are not an appropriate expenditure of SNPLMA funds.

**Section A – Background Information:**

1. Fire Station/Gym “Exercise and strength training is a requirement of the job and gyms are typically standard in fire and law enforcement facilities. Because of the lack of HVAC, the gym is unusable in the summer.”
2. Fire Station/Gym “The facility lacks showers for emergency staff to wash off following a fire or decontaminate following a HAZMAT spill event.”
3. Holding Facility “There is no restroom, and the building has inadequate air conditioning (a single window unit), which is extremely uncomfortable on hot summer days (which are also often the busiest days in this area of the park).”
4. Ranger Station “This building, which is located on Katherine Lane (the main road into Katherine Landing) is a public-facing building with no way for the public to reach the ranger staff (no call box, no window, no community meeting space, no place for a crime victim or injured visitor to get out of the sun.)”
5. “Staff have to conduct increased safety inspections of equipment exposed to heat. They are also exposed to heat for these inspections or being in buildings with inadequate temperature control.”
6. “Crime victims or family members who are facing the death of a loved one, often must wait hours outside, in the heat, for additional law enforcement/officials to arrive and to complete necessary paperwork.”
7. “These vehicles and their contents are exposed to extreme sun and heat, accelerating aging, increasing the risk of equipment malfunction.”

**These are safety issues.**

8. Holding Facility “Because of the lack of restrooms in the holding cell, the ranger must transport the prisoner to the restroom, which is a major safety problem.”
9. Holding Facility “Prisoner and evidence equipment is also stored in this building because the holding facility does not have adequate/proper security.”  
**These are security issues.**
10. “Only two parking spaces are available at this building and there are eight law enforcement patrol vehicles, most of which are parked in the nearby campground.”
11. “This equates to 340 hours a year of lost time to the government per employee.”  
**SNPLMA projects are not for employee convenience or rectifying government lost time.**

#### **Section D – Project Deliverables-Primary and Anticipated:**

1. Bullets #1 & #2 are Standard Deliverables.
2. Much of the remaining Primary Deliverables and Anticipated Deliverables need rewritten or removed:
  - Many are not quantified, i.e., appx how much fencing is needed, what size boat bay, etc.
  - Many list items SNPLMA will not cover (SNPLMA will pay for the building and infrastructure, such as a break room with sink, cabinets, and counter tops, etc., but it will not pay for furnishings such as microwave, refrigerator, ice machine, shelves, cameras, lockers, PPE, tables, chairs, drying racks, etc.)
  - Some items are discussions for the design team such as acoustic insulation, floor drains, hose bibs, parking space by ice machine, etc.

#### **Section F – Project Timeframe:**

1. The project is requesting 6 years instead of the usual 5 for a CIP project.

#### **Section G – Level of Project Readiness:**

1. “This project will include the trenching and installation of a dedicated internet/telecommunications line to connect to the nearest fiber optic line.”  
**Does entity know where nearest fiber optic line is located? This could affect price.**
2. “Fire sprinkler system may require water storage tank and/or pressure booster pump depending on the water pressure at the site.”  
**Entity doesn’t know what system looks like, have any feasibility studies been done?**

#### **Section H – Future Operating and Maintenance:**

1. “Mohave District Public Safety and Community Annex will decrease by an estimated \$14,000 per year compared to the current operations and maintenance costs of the existing, out-of-date/portable, dispersed facilities while improving the longevity of expensive rescue equipment, improving emergency response time, and improving the existing situation by providing a safe, secure, and comfortable working for NPS employees and visitors experiencing an emergency.”  
**SNPLMA projects are not for government staff comfort.**

## Section M – Maps:

1. Entity did not submit the Strategic Values map(s) showing Connectivity, Community, Sustainability.

## Budget - Excel Spreadsheet:

### Personnel Tab

- \$4,500,000 for “Construction Project Management” At 6 years, this amount equates to over \$660,000 per year.
- IT Support (existing position) - GS 11. **One position; does NPS currently have the staff to commit this amount of time? Also, math calculation is off, unit is 1,920 hours in description not 1,320, which make the IT total \$86,400 not \$59,400. (This will also change the total Personnel amount, and the project overall total.)**
- Facilities Services Assistant does not have any costs/total listed.

### Travel Tab

- Will Denver Service Center personnel need to conduct site visit(s)?
- What about “Construction Management Representatives” listed on Contracts and Agreements, Tab 6? Will they need hotel stays for ‘Fulltime on-site construction inspection and daily monitoring at Katherine Landing’?

### Contracts and Agreements Tab

- \$1,200,000 for “Construction Management Representatives”. **Is this the same position as Construction Project Management on the 'Personnel' tab?**
- \$600,000 for “Tortoise Monitoring - \$200,000/year x 3 years (construction) (\$75-125/hr x 2000 hours for monitoring + biologist)”. **Biologist time is already accounted for on the 'Personnel' tab.**
- \$150,000 for “Title 3 contract - final inspection by engineer of record to validate that the project was built to the specifications”. **Is this a separate person other than the Denver Service Center engineers or the NPS staff engineer who are listed on the 'Personnel' tab?**

### Other Necessary Exp Tab

- \$63,510 for “Construction site security”. **Added security is not directly related to the building of an Annex, it would not be covered by SNPLMA.**
- \$12,480 for “Cell phones for 3 new dedicated project staff (Engineering Tech, Budget Analyst, and Facilities Management Assistant)”. **Would a position not out in the field such as Budget Analyst need a cell phone?**

**Southern Nevada Public Land Management Act  
Capital Improvements  
Round 20**

National Park Service



Mohave District Public Safety and Community Annex at Katherine Landing

Amount Requested: \$24,818,031

## A. BACKGROUND INFORMATION

Lake Mead National Recreation Area (NRA) is amongst the top ten most visited parks in the National Park Service (NPS) and one of the most visited parks in southern Nevada (with nearly 6 million visitors in 2022). Unfortunately, Lake Mead NRA also consistently holds the title for the highest number of deaths of any park in the NPS and has very high numbers of emergency, detainment, and rescue calls. Lake Mead averages 25-35 deaths per year and over 14,000 dispatch calls annually with 11,000-12,000 of those requiring active law enforcement response and over 300 arrests annually, many of which are felonies.

Lake Mead NRA straddles the Nevada and Arizona border (with the state boundary cutting down the middle of Lakes Mead and Mohave) and is a top recreation destination for the Las Vegas metropolitan area, Laughlin, NV, Bullhead City, AZ, numerous other communities in California, Arizona, and Nevada, and non-resident visitors flying in from across the country and around the world.

In order to meet the needs of those who recreate at Lake Mead NRA, the park provides significant law enforcement, fire, and emergency support across its 1.5 million acres, as well as other community/visitor support services.

Emergency services at Lake Mead NRA are divided into three districts (Map 1):

- Mead - which covers from the north side of Hoover Dam to the Overton Arm and out east to Pearce Ferry (532 square miles/340,526 acres, 5 wilderness areas, 1096 structures). The Mead District emergency services are based out of the Boulder Beach area.
- Canyon - which covers from the South Side of the Hoover Dam to north of Searchlight/Cottonwood Cove (736 square miles/471,643 acres, no designated wilderness areas, 387 structures). The Canyon District emergency services are based out of Hoover Dam and Willow Springs.
- Mohave - which covers Cottonwood Cove on south, down to Katherine Landing, (379 square miles/242,924, 780 structures, 5 wilderness areas). The Mohave District emergency services are based out at Katherine Landing.

Providing support for the visitor experience and protecting natural resources includes the following best practices:

- Having a clear, centralized location for people to seek help or ask questions, especially in the busiest locations of the park.
- Being fully and efficiently equipped to handle all emergencies in an effective and timely manner.
- Providing space for minor emergency care, victim care, evidence processing and storage, and detention.

- Providing space for state, federal, and local partners, such as the Nevada Department of Wildlife, Arizona Game and Fish, Bureau of Land Management, Bureau of Reclamation staff, the Coast Guard, and municipal law enforcement, whom work at the park on near daily basis.
- Providing public space for events, such as community or tribal meetings, teacher workshops, interpretive programs, etc.
- Providing public space for information-gathering and restrooms.

Currently the park is unable to meet these goals and best practices due to inadequate and disfunctional infrastructure in the Katherine Landing/Mohave District area.

### **KATHERINE LANDING (MOHAVE DISTRICT HEADQUARTERS)**

The Mohave District headquarters are located in the southern-most end of the park at Katherine Landing, which is outside of Laughlin, NV/Bullhead, AZ (Map 2). With an average of 750,000 visitors per year, it is the second-most visited area in Lake Mead NRA. Holidays, such as Memorial Day or Labor Day can see between 50-60,000 visitors at Katherine Landing *in a single day*. The number of visitors to this area continues to grow.

Katherine Landing includes the Katherine Landing Mission 66 Historic District which has 17 buildings or structures that contribute to its historic significance, as well as 11 buildings or structures that do not contribute significance to the district. NPS currently has limited interpretive ranger facilities (NPS recently invested over \$400,000 to remodel a building for ranger presence near the busiest boat ramp) and no centralized public safety infrastructure for Katherine Landing. The current resource protection (law enforcement) ranger station, holding facility, and fire station are dispersed across the area and are not contributing elements to the Katherine Landing Mission 66 Historic District.

With the exception of the newly remodeled ranger building near the boat ramp, the resource protection ranger station, fire station, and holding cell facilities have exceeded their useful lifespan. Nearly all of these public safety buildings at Katherine Landing were designed to be temporary and/or are in converted buildings not originally designed or appropriately sized for the current purpose and need. Extreme temperatures, monsoon storms with high winds and heavy rains, rodents, and termites, have significantly degraded these structures. Despite the park's ongoing maintenance (to the tune of over \$500,000), these buildings have exceeded their useful life and continued maintenance has diminishing returns. Moreover, the buildings lack proper climate control, security, and internet, and most of the buildings do not meet federal accessibility standards or have enough room to support the emergency support needs. The type and physical state of these buildings do not merit the investment it would take to bring them up to standards.

In addition, with the buildings scattered across the area, emergency response time is significantly increased. Offices and supplies are in one building (due to temperature controlled storage requirements), the fire truck, ambulance, and/or patrol cars are stored elsewhere, while the

detention facilities are in yet another building (Map 3). Safety personnel have to make multiple stops to gather equipment and supplies for each call.

Specifically:

- The **fire station/dry ambulance storage/gym** is a metal shed with no HVAC. In the summer, temperatures easily reach 125 degrees Fahrenheit, requiring the supplies that are normally kept in an ambulance to be housed in a different location. These temperatures also cause long-term damage to expensive equipment and require more inspections and maintenance (the fire truck and ambulance are worth over \$1,000,000).
  - Exercise and strength training is a requirement of the job and gyms are typically standard in fire and law enforcement facilities. Because of the lack of HVAC, the gym is unusable in the summer. (Photo 1)
  - The facility lacks showers for emergency staff to wash off following a fire or decontaminate following a HAZMAT spill event.
  
- The **holding facility** (which is required because the closest federal jail is in Flagstaff, Arizona, 4 hours away) is small and has only one holding cell (Photo 2). The building's original design was as a boating equipment room (due to the small size, all of the boating equipment is stored in either in the fire station or the ranger station). There is no restroom, and the building has inadequate air conditioning (a single window unit), which is extremely uncomfortable on hot summer days (which are also often the busiest days in this area of the park).
  - Because the holding cell only fits one person, if there is a need to detain two or more parties (e.g. a fight), park rangers have to detain someone in the back of the patrol car. This is inadequate for numerous reasons, including having to continuously run the car for air conditioning, it dedicates additional staff to a vehicle, and it is not ideal for the detainee.
  - Because of the lack of restrooms in the holding cell, the ranger must transport the prisoner to the restroom, which is a major safety problem.
  - The building also lacks adequate internet access (problematic for booking a prisoner), parking (there is parking for two patrol cars), and security cameras.
  
- A mobile trailer (established over 30 years ago as a short-term solution) is currently used as the **Ranger Station** for structural and wildland fire crew, EMS, Search and Rescue, and resource protection staff, was intended as (Photo 3). The concerns with this facility include:
  - The limited trailer size does not allow for meeting space to plan for or manage emergencies/incident response.
  - It does not provide enough cubicle space for NPS staff and partnership agency staff who work in this area on a daily basis. Previously BLM, Arizona Game and

Fish, Nevada Department of Wildlife, BOR, and the U.S. Coast Guard shared this space with NPS, however due to the lack of space (and inadequate internet access) most of the partner agency staff have obtained offices in Las Vegas and commute. Providing this staff for agency partners would be very mutually beneficial.

- There is no direct bathroom access in the building and no public restroom access here. Staff must lock up the office to use the restroom.
- Only two parking spaces are available at this building and there are eight law enforcement patrol vehicles, most of which are parked in the nearby campground.
- This building stores medical supplies because the ambulance location does not have climate control.
- Prisoner and evidence equipment is also stored in this building because the holding facility does not have adequate/proper security.
- This building, which is located on Katherine Lane (the main road into Katherine Landing) is a public-facing building with no way for the public to reach the ranger staff (no call box, no window, no community meeting space, no place for a crime victim or injured visitor to get out of the sun.)
- At present, the Ranger Station relies on an insufficient microwave radio link for internet and telecommunications. Due to the age and complexity of this microwave system, it not only continuously fails, but speed and bandwidth limitations prevent supporting modern emergency services (which heavily rely on internet based reporting and criminal justice databases.) This has left employees to complete computer work over cellphone hotspots, from their home internet connection, or to rely on internet connections from local nearby businesses. (NOTE: The microwave internet access system is not the same as the SNPLMA Round 18 award “Modernize Critical Interagency Communications Infrastructure and Systems, which is for multi-agency/Southern Nevada radio communications with the Lake Mead Interagency Communications Center dispatch.)

Observations and reporting made by law enforcement rangers show they currently spend an average of one hour and forty minutes *per day* attempting to access internet-based reporting software and databases. This includes time spent waiting on applications to load, trouble-shooting connectivity issues, and travel time to an alternate location to gain access. This equates to 340 hours a year of lost time to the government per employee. Multiplied by a permanent staff of 10-11 employees, the yearly estimated loss of time to the government is 3,400 work hours spent attempting to access these systems. At an average rate of \$50 per hour (which includes fringe), this adds up to \$170,000 per year of lost productivity/additional personnel cost.

The combination of all these issues adversely affects the quality of service provided to the public, as well as impacts the ability of NPS staff (and agency partners) to best protect human

life and natural resources. The dispersed location of the buildings, staff, equipment, and supplies impacts emergency response time and increases maintenance costs. The lack of climate control and proper storage significantly impacts the longevity of emergency equipment and supplies, emergency response time, and staff readiness for an emergency event (e.g. staff have to conduct increased safety inspections of equipment exposed to heat. They are also exposed to heat for these inspections or being in buildings with inadequate temperature control).

As mentioned in the introduction, many of the arrests and crimes at Lake Mead NRA are felonies which require proper evidence storage, detention facilities, and safe, comfortable victim support facilities. In addition to the inadequate evidence and medical supply storage, Katherine Landing lacks a private, climate-controlled location for victim support. Crime victims or family members who are facing the death of a loved one, often must wait hours outside, in the heat, for additional law enforcement/officials to arrive and to complete necessary paperwork.

### **MOHAVE DISTRICT PUBLIC SAFETY AND COMMUNITY ANNEX DETAILS**

Lake Mead NRA seeks to improve the visitor experience by constructing a Mohave District Public Safety and Community Annex at Katherine Landing. In 2021 Lake Mead NRA spent \$70,000 to conduct pre-scoping for a new public safety and community annex facility that resulted in an initial building design and site plan that will address the following needs (document available upon request):

**(A) Provide a clearly labeled, visible, and accessible building for visitors to obtain basic park information, turn in or seek lost and found items, get help or support for safety or health, and find restrooms.** The proposed location of the Annex will be the first building past the entrance fee station (Map 4). The Mohave District Public Safety and Community Annex will have a dedicated community entrance section that will provide a variety of maps, handouts, and information to orient visitors to Katherine Landing and provide basic safety information about the park and the area. The annex will serve as an initial touchpoint (after the entrance fee station) to connect visitors with interpretive staff and/or public safety staff (e.g. fire and resource protection rangers). The facility will include covered outdoor space with seating and accessible bathrooms for the public and school groups. This space will also provide a private support space for visitors in crisis. And a public meeting space for community events, such as life jacket safety, water recreation safety for families, and resource protection (Photo 4).

**(B) Provide facilities to support the public in their time of need.** There are non-emergency first aid incidents, such as heat exhaustion or a broken bone, where a person needs to be stabilized in a comfortable, private, and climate-controlled location, currently no facilities exist for this at Katherine Landing. In addition, if someone dies or is the victim of a crime, the victim/family/friends often have to wait hours, outside, making calls and waiting for investigators and/or the coroner's office to arrive. A humane and best-practice standard for these circumstances is to have a secure, private, and comfortable waiting area with "land-line"/non-

cellular) phones available. The Katherine Landing Public Safety and Interpretive Annex will have a secure, private space for visitors/victims/families facing these types of circumstances.

**(C) Improve response time for emergencies by centralizing the storage of fire trucks, ambulances, and equipment to be near the staff that use and manage them.** Emergency personnel currently have to go to several locations to gather supplies and pick up the vehicle (fire truck or ambulance) needed for the circumstance. This adds an estimated 15-20 minutes to emergency response. Given that the “golden hour” to save a life is one hour from the incident, a loss of 15-20 minutes can mean the difference between life and death. Emergency best practice is for everything to be in the same location for fast, efficient, grab-and-go action. (Photo 5)

**(D) In addition to providing improved response times, the Mohave District Public Safety and Community Annex will help reduce financial waste (which can be applied towards support/maintenance costs).**

Perishable items like life-saving medicines and expensive equipment like fire trucks and ambulances will be stored in covered, climate-controlled facilities. Currently medicines and medical supplies are stored at the ranger station in non-ideal conditions and emergency vehicles, worth over \$1 million, are stored outside or in the metal shed “fire station” with no HVAC. These vehicles and their contents are exposed to extreme sun and heat, accelerating aging, increasing the risk of equipment malfunction, and increasing maintenance and supply replacement costs by an estimated \$14,000 per year.

The centralized location and proper storage of all emergency supplies and equipment will also help protect the health and well-being of visitors. Driving around to the various scattered locations can create additional fatigue on emergency personnel when they are expected to perform at the highest levels at an emergency.

**(E) An unfortunate reality of recreation areas that involve water, hot summers, and large numbers of people, is alcohol and unruly and/or illegal behavior. This happens quite frequently at Katherine Landing. For the safety of the public, people who engage in violent or criminal behavior must be removed from the situation or detained. Having multiple, secure, comfortable detainment facilities is a best practice for the safety and respect of the detainee(s), that person’s friends/family, and the Ranger. (Photo 6)**

**(F) In this same vein, law enforcement requires functional facilities for prisoner booking and separate storage spaces for evidence processing and secure storage.** Currently evidence storage at Katherine Landing is in the already cramped Ranger Station making organization, security, and other conditions needed for these processes difficult. Prisoner booking usually takes place where the prisoner is held, however there is no internet access at the current holding facility. The Mead District Public Safety and Community Annex at Katherine Landing will have 76 square feet of evidence processing space with barcode printing for evidence bags, CCTV camera on the door, a scanner and printer, evidence lockers, refrigerated lockers for DNA

samples and soiled clothes, materials storage, pass through evidence storage, and lab-hood for processing narcotics (these are included in the pre-scoping bid and this proposal). The secure evidence storage room will be 150 square feet and includes CCTV camera, refrigerator with freezer, and bins, racks, and shelving. Lastly, there will also be a 45 square foot secure covert operations room for one person to privately review evidence and videos.

(G) Provide office space for 11 permanent emergency personnel, 1 interpretive ranger staff, as well as rotational office space for partner agencies (and community partners, like the Bullhead City Police Department) who are operating at the lake on a daily basis including the Nevada Department of Wildlife, Arizona Game and Fish, Coast Guard, Bureau of Reclamation, and Bureau of Land Management. This space includes meeting rooms, copier and mail room, a small kitchen and eating area, and an exterior covered area with seating for staff (separate from the outdoor areas for the community). Staff space also includes workout facilities so emergency personnel can remain fit for duty, as well as showers/decontamination facilities.

The Mohave District Public Safety and Community Annex will bring the park and Katherine Landing into the 21<sup>st</sup> century and provide a quality work and public space. With the pre-scoping process complete, the park is positioned to begin this shovel-ready project, which provides a basic plan that meets all of the needs described above, as well as provides an estimate for the construction costs (which forms the basis for the project budget) based upon the site selection and specific construction criteria, such as:

- Using materials that are impervious to rodents and insects and provide longevity.
- Meeting NPS and LEED sustainability standards.
- Designing a structure that is attractive, fits in the landscape, and utilizes orientation to maximize views and energy efficiency (e.g. utilizing shade for windows and active and passive strategies to heat and cool the building) and has both public and staff indoor and outdoor spaces that connect with and honor the landscape.
- Designing for rainwater harvesting and grey water collection that can be directed for landscape irrigation.
- Utilizing LED lights, natural light, and photovoltaic panels to reduce and offset energy consumption.

By having the pre-scoping/pre-design complete, including site location and building orientation, this project is ready to move into schematic design.

It should be noted another nomination is being submitted in Round 20 for a Mead District Public Safety Annex at Boulder Beach (the Mead District shares similar scattered and make-shift infrastructure concerns). If both nominations are approved it will maximize the cost savings and efficiencies due to having two near-identical buildings being constructed simultaneously in coordinated, staggered phases (the Mead District building is using the same floorplan/pre-scoping document with small adjustments for the site and location needs). The cost savings are estimated to total *at least* \$4,000,000 in cost savings, likely more.

Cost savings would come from:

- Using the existing pre-scoping documents for the Katherine Landing Public Safety and Community Annex to guide and inform pre-scoping needs for the Mead District Public Safety Annex.
- Having shared positions to implement both projects.
- Conducting one round of requests for competitive contract bids/reviews/selections.
- Requesting bids for both buildings utilizing the same contractor and large quantity supply discounts.
- Establishing and overseeing the same contracts for the two locations.
- Accelerated engineering/IT/other reviews of documents and inspections because of the duplicative nature of the projects.

NPS LAKE is aware that funding for each project, if approved, must be kept and tracked separately.

**a. Describe Relationship to Prior Approved Projects and/or Phases Relevant to this Project (SNPLMA funded or not), and any anticipated Future Phases**

This project has no relationship to prior approved projects or phases. There are no anticipated future phases. Should the Round 20 proposal “Mead District Public Safety Annex at Boulder Beach” get approved along with this proposal, an estimated \$4,000,000+ of efficiencies would be gained through project cost and oversight/management sharing, contracting, and possibly more in construction through bulk materials supplies, etc. NPS LAKE is aware that funding for each project, if approved, must be kept and tracked separately.

**b. Acknowledgement of Stand-Alone Project and no Guarantee of Funding for Future Phases**

This is a stand-alone project and does not require future SNPLMA funding or phases.

## **B. EXECUTIVE COMMITTEE’S SNPLMA STRATEGIC PLAN VALUES**

Capital Improvement projects have two goals identified in the Strategic Plan:

- Goal 1: Sustain the quality of the outdoor environment by conserving, preserving, and restoring natural and cultural resources.
- Goal 2: Improve the quality of life for all publics in urban and rural communities by enhancing recreational opportunities that connect people with the outdoor environment.

Nominated projects should meet these two goals by focusing on the three SNPLMA core values, connectivity, sustainability, and community. Every nomination must explain how the three values are promoted by the project.

- **Connectivity**

Answer: The new Mohave District Public Safety and Community Annex will increase connectivity between the Mohave District emergency personnel at Lake Mead NRA (resource protection, search and rescue, wildland and structural fire, and EMT), as well as significantly improve response time to all emergencies in this District, providing better protection for visitors, as well as protection of the natural resources for which NPS is tasked with protecting.

- **Sustainability**

Answer: The new Mohave District Public Safety and Community Annex helps meet sustainability goals by constructing the building with as many sustainable features as possible, such as, strong, long-lasting, energy efficient materials and techniques, orienting on the site to maximize solar gain in the winter and reduce solar gain in the summer, xeriscaping with rainwater catchment and reclaimed water systems, power will be supported by solar panels, and efficient HVAC systems.

- **Community**

Answer: The new Mead District Public Safety Annex meets community goals in several ways: provides comfortable, safe spaces for the public who are experiencing minor injuries, were victims of a crime, or experienced a death at the lake and are waiting for family or officials to arrive; provides comfortable jail facilities to allow inebriated and disruptive visitors to “sleep it off,” or to protect the public from violent offenders or apprehended criminals; have evidence processing and storage facilities to properly support and solve investigations; consolidate equipment, supplies, and personnel to decrease response time to provide efficient fire, medical, or other emergency support in the busiest part of the lake; deepens the community connections between the spectrum of emergency response personnel; provides offices and meeting rooms for both NPS and other agency/partner staff (e.g. BLM, NDOW, Coast Guard, Bullhead City PD) who work at Lake Mead NRA on a daily (or near daily) basis and have frequent coordination; and provides public visitor spaces including bathrooms, public information area, conference/meeting room for public events, outdoor covered seating areas, and bus drop-off and parking

## **C. PURPOSE STATEMENT**

Lake Mead National Recreation Area (NRA) seeks to improve public safety, public interactions, and the visitor experience by building a highly visible, centralized Public Safety and Community Annex for the Mohave Emergency District of Lake Mead NRA. This multi-purpose annex will be located near the entrance fee station at Katherine Landing and will house critical emergency resources in a centralized location for efficient, life-saving action, provide safe space for visitors during crisis management and other emergencies, provide secure space for detainment and

evidence storage, provide multi-agency offices and a public meeting room, as well as provide indoor and outdoor visitor welcome, interpretive, and information spaces and bathrooms.

## **D. PROJECT DELIVERABLES**

### Primary:

Design and construct a Public Safety and Community Annex to support the Mohave Emergency District in Lake Mead NRA located near the community of Laughlin, NV and Bullhead City, AZ. The annex will house public/interpretive/shared spaces, law enforcement/fire/search and rescue staff and equipment/supply spaces and building support spaces. The gross interior square footage of the facility will be approximately 13,339 square feet and the exterior space will be approximately 16,711 square feet. All square footage estimates are based upon the pre-scoping document commissioned by the NPS in 2021. Final layout, design, and square footage may vary.

- Schematic Design Package
- Construction Document Package
- Public/Interpretive/Shared Spaces - Lobby/Exhibit Space, est. 360 sf
  - Technology: Telecom, Security cameras, Motion sensor (ceiling), Space for computer for interpretive use at information desk, Outlets and lighting for temporary exhibits
  - Brochure display, storage
  - Furnishings/Equipment: Counter/Desk, seating
- Public Restroom (3 @ 64 sf, 1 @ 80), est. 272 sf
- Janitor Closet (2@ est. 60 sf), est. 120 sf
  - Mop sink, storage shelves, power, well ventilated
- Interpretive Ranger Office, est. 168 sf
- Interpretive Ranger Workstations, est. 128 sf
- Print/Copy, room, est. 80 sf
- General Storage, est. 64 sf
- Staff Restroom, est. 64 sf
- Staff Break Room, est. 252 sf
  - Furnishings/Equipment: spot for bottle filling station (cool water), Sink, spot for microwave, spot for residential refrigerator, spot for commercial ice machine in climate controlled area, needs to be near exterior door, countertop with upper and lower cabinets
- Supervisor Offices (estimated 3 @ 168 sf), est. 504 sf
- Law Enforcement Office (estimated 2 @ 125 sf), est. 250 sf
  - Sound mitigation/deadening (run walls to structure with acoustic insulation), One-way glass or mirrored glass for privacy if working late (ballistic is not required), Higher window sills (min. 5' high or clerestory) for privacy and safety
- Law Enforcement Ranger Workstations (estimated 8 stations), est. 640 sf
- Phone Booth/Interview Room, est. 126 sf
  - Acoustical privacy

- Technology: data ports for connection to NPS network, CCTV camera that ties to open workspace
- File/Mail/Copy room, est. 100 sf
- Law Enforcement General Storage, est. 64 sf
- Exercise Room, est. 560 sf
  - acoustical separation/Noise control, Rubberized flooring, ventilation, Heating/Cooling, Privacy from public/visitors
- Locker Room and Showers (2 @ est. 432 sf), est. 864 sf
- Law Enforcement Staff Restroom, est. 64 sf
- Apparatus Bay, est. 2,232 sf
  - (3) Pull-through bays
  - Floor drains, Hose bibs, Air compressors, Hookups power where vehicles are parked, Contained battery charging system, cooling
- Fire Fighting Agent Storage, est. 64 sf
- Fire Fighting Wildland Equipment Storage, est. 70 sf
  - Shelving and racks
- Fire Fighting Structure Equipment Storage, est. 180 sf
  - Shelving and racks
- Outdoor Apparatus Apron Area, est. 2,232 sf
  - 2-1/2" water connection adequate for hosing down and refilling trucks (800 gallon engine), (2) hose bibs, Concrete slab with brushed finish at entry to bays
- Turnout Decontamination Area (2 @ est. 64 sf), est. 128 sf
- Protective Clothing Laundry/ Self Contained Breathing Apparatus (SCBA)Maintenance/Repair, est.165 sf
  - Extractor, Floor drain, Utility sink, Drying racks, Counter space est. 6', Drawers, Cabinets, Hose bib, SCBA rack (est. 10')
- Multi-Purpose/Conference/Training Room, est. 728 sf
  - Large monitors, CAT-6 cabling (min., throughout facility), Connectivity throughout walls, Outlets for Emergency/Command Center mode, Connections to monitors (HDMI port)
- Chair/Table/Training Storage, est. 256 sf
- AV Room, est. 15 sf
- Sally Port (outdoor), est. 720 sf
  - Shaded and fenced area with electric sliding gate (Secure space to unload detainees), Cameras at gate and doors, Weapons box for
  - Provide clearance around vehicles for officers to work
- Booking Area, est. 88 sf
  - Floor drain, Wire cage cell with fixed concrete bench
- Holding Cell (minimum 2 @, est. 64 sf) ], est. 128 sf
  - CCTV camera in each cell, Fixed concrete bench, Floors drains, Tamper-proof hose bib in lock box
- Holding Area Restroom, est. 64 sf
  - Stainless steel penalware, Floor drain, Lockable hose bib
- Evidence Processing, est. 76 sf

- Evidence lockers, refrigerated locker, counter, Barcode printing for evidence bags, Scanning, CCTV camera on door, Pass-thru to Evidence Storage
- Secure Evidence Storage, est. 150 sf
  - CCTV camera inside room and outside door to room, refrigerator/freezer, rack/shelving/bins, separate and constant ventilation
- ICOP Room, est. 45 sf
  - Acoustical privacy, secure
- Prisoner Property Storage, est. 36 sf
  - CCTV, racks/shelving, secure, well ventilated
- Secure Weapons/Ammunition Storage/Cleaning, est. 105 sf
  - Stainless steel counter with sink for weapons cleaning, Space for clearing barrel, Safes, good lighting, ventilation, racks/shelves
- Secure Tactical and Training Gear Storage (estimated 2 @ est. 225 sf), est. 450 sf
  - Racks/shelving
- Secure Emergency Medical Supply Storage, est. 72 sf
  - Counter with outlets, upper and lower cabinets, shelving,
- Mechanical Room, est. 225 sf
  - Acoustic insulation, ventilation
- Electrical Room, est. 160 sf
  - Fire proofing, acoustic insulation, ventilation, well lit
- IT/Data Room, est. 80 sf
  - Racks/shelving, separate climate controlled system (67-73 degrees F), Plywood on wall for punch down blocks
- Fire Riser Room, est. 64 sf
- Public Parking, est. 5,920 sf
- Staff /Gov. Vehicle Parking, est. 5,184 sf
  - Secure, fenced parking
- Utility Yard, est. 225 sf
  - Acoustic insulation, equipment clearances
- IT/Data Room - (2) runs per space - (1) for VOIP, Each side to have their own branch printers (ie: Law Enforcement and interpretive separation), Single data run, Analogue run for phone/ fax, Cabling in conduit to offices - could be in basket with accessible
- Ceilings, IT Room ladders, Infrastructure for new T1 line from outside of building (street) to IT Room (currently served by microwave), WAPS for staff and guests, security - cameras (2 exterior, 1 lobby, evidence room, corridors, Motion sensors, Card readers, Data storage, transmission of data, Switches, Router, Telephone equipment, Rack-mount UPS

Anticipated:

- Shelving, lockers, storage, room dividers, display cases, water fountains, furniture, appliances, exercise equipment, as needed per space
- Apparatus Bay - (1) Bay for a boat on a trailer for maintenance and repair

- Photovoltaic Array – on the building roof and/or on covered parking to provide electricity for the building
- Rainwater catchment and grey water recycling systems for landscaping
- Outdoor Cue Space, est.1,600 sf
  - Outside cue space for school group off loading and orientation, 24/7 orientation for Park info (kiosk), Public restrooms
  - Technology: Security cameras, Exterior lighting
  - Furnishings/Equipment: Benches, Cooled bottle filling station
- Interpretive kiosks (indoor) and interpretive center displays
- Covered parking
- Staff Patio, est. 380 sf
  - Shaded area with parking space for access to ice machine in Staff Break Room
- K9 Yard, est. 450 sf
  - Fences, dog run, shade, benches, water and drainage

Standard:

- Initiate funding
- NEPA and SHPO compliance activities
- Quarterly and annual reporting
- Draft contract documents
- Permitting
- Closeout package

## E. PROJECT LOCATION

**Identify County in Nevada where Project will be carried out:**

Lake Mead National Recreation Area Park boundaries straddle both Nevada and Arizona, this building itself will be physically located in Mohave County, Arizona but within the Park boundaries.

**Identify Congressional District(s):**

AZ 9, NV 3

**Latitude and Longitude:**

35.22522, -114.55229

## F. PROJECT TIMEFRAME

Lake Mead National Recreation Area is requesting 6 years to complete this project to allow for common delays with the contract bidding and creation process, supplies fulfillment, permitting, and construction. If the Mead District Public Safety annex nomination is approved, there may be

some adjustments in the timeframe to maximize contracting, construction, and monetary efficiencies.

#### YEAR 1:

Complete HR and new hire process for associated positions. (6 months)

Begin compliance activities for Katherine Landing. (ongoing)

Preliminary/Schematic Design (PD/SD) design activities. (14 months)

- Project Initiation and Set-up – 3 months
- Draft PD/SD task order scope of work – 2 months
- Solicit and award design task order – 3 months
- Execution of PD/SD task order – 6 months (2 months will carry over into Year 2)

#### YEAR 2:

Compliance Activities (ongoing)

Continuation of compliance activities as needed, included but not limited to SHPO and Tribal consultation process, NEPA environmental assessment.

Finalize Schematic Design (PD/SD) Design Activities (2 months)

- Conclude final submission of PD/SD design documents – 2 months

Design Development/Construction Document (DD/CD) Design Activities (17 months)

- Draft DD/CD task order scope of work – 2 month
- Negotiate and award design task order – 3 months
- Execution of DD/CD task order – 12 months (7 months will carry over into Year 3)

#### YEAR 3:

Compliance Activities (ongoing)

Completion of compliance activities as needed, included but not limited to SHPO and Tribal consultation process, NEPA environmental assessment. These tasks will be formally completed in the 2 months after construction documents are submitted to fully reflect design and construction scope.

Design Development/Construction Document (DD/CD) Design Activities (7 months)

- Conclusion of DD/CD task order and receipt of final construction documents – 7 months

Contracting Activities (11 months)

- Construction contracting package document preparation and submission – 2 months
- Review, solicitation, negotiation and award of full construction contract – 9 months (6 months will carry over into year 4)
  - Note: 9 months is the standard Procurement Admin Lead Time for any construction project greater than \$500,000.
  - Concurrently, the following additional agreements will be solicited and executed:
    - Construction Management Representative agreement
    - Title 3 Inspection task order negotiation and award

#### YEAR 4

##### Compliance Activities (ongoing)

- Continued monitoring of project progress and unforeseen site condition analysis

##### Contracting Activities (6 months)

- Review, solicitation, negotiation and award and full construction contract – 6 months
  - Concurrently, the following additional agreements will be solicited and executed:
    - Construction Management Representative agreement
    - Title 3 Inspection task order negotiation and award

##### Construction Activities (6 months)

- Preconstruction submittal review; development, submittal, and approval of permit applications (6 months)

#### YEAR 5

##### Compliance Activities (ongoing)

- Continued monitoring of project progress and unforeseen site condition analysis

##### Construction Activities (12 months)

- Construction kick-off, and issuance of Notice to Proceed (1 month)
- On-site construction work (18 months, 7 months will carry over into year 6)

#### YEAR 6

##### Compliance Activities (ongoing)

- Continued monitoring of project progress and unforeseen site condition analysis

##### Construction Activities (9 months)

- Completion of on-site construction work (7 months)
- Final inspections and contract close out activities (2 months)

SNPLMA Closeout (3 months)

- Final site visit
- Final documentation and financial closeouts

## **G. LEVEL OF PROJECT READINESS FOR IMPLEMENTATION**

Is this a shovel-ready project?  Yes  No

Pre-scoping is complete for this project and it is ready to move into schematic design.

This project will be completed through a combination of in house and contract resources. NPS has the staff, expertise, and resources (engineering, facilities management, contract, and grant management) to initiate the project once funding is available. NEPA and SHPO will be managed in house through our Cultural Resources Manager, staff archeologist, and our Environmental Protection Specialist. Construction project management will occur through the NPS Denver Services Center. Responsibility for ongoing operations and maintenance is already in place because the new Mohave District Public Safety and Community Annex will replace existing infrastructure.

The proposed location for the new Mohave District Public Safety and Community Annex is outside the limits of the historic district but would be within view of the historic district. While this may cause minor alterations to the viewshed from the historic district, these alterations would not significantly diminish characteristic-defining elements of the historic district and it is anticipated that the new building would not cause adverse effects on the historic district and its viewshed.

Power is provided by Unisource Electric and runs along Katherine Access road. Water and sewer connections are accessible at the east side of the South Campground. There is currently no gas available at the site, but it is not needed. This project will include the trenching and installation of a dedicated internet/telecommunications line to connect to the nearest fiber optic line. Fire sprinkler system may require water storage tank and/or pressure booster pump depending on the water pressure at a the site.

Further investigation, research and confirmation with the various utility providers will need to be performed as the project progresses.

Additional funds have not been applied for via other sources.

Have you applied, received, or is there the opportunity to obtain funding from another source for this project? Please list the additional funding opportunities received or applied for and indicate whether it is federal or nonfederal funding.

Federal funding through NPS was applied for in 2019 and not awarded.

## H. FUTURE OPERATING AND MAINTENANCE

The anticipated lifecycle of the project is 6 years depending on construction timelines. The anticipated use of the facility is indefinite.

- General operation and maintenance costs are managed by the National Park Service Lake Mead NRA annual appropriations.
- The operation and maintenance of the facility would be managed by the Division of Facilities Services at Lake Mead NRA.
- The current annual operations and maintenance costs for the existing Mohave District safety support and response buildings is \$24,400. That is in *addition to* the minimum \$5000 per year *extra* spent on maintenance to emergency vehicles and related equipment due to the inadequate storage buildings/exposure to the elements (totaling at least \$29,500 for basic annual operations) (maintenance and operations costs for the Mohave District are higher because of the age and type of buildings, the additional distances for maintenance staff to drive, and higher summer temperatures.) Because of design efficiencies, the operations and maintenance costs for the new Mohave District Public Safety and Community Annex will decrease by an estimated \$14,000 per year compared to the current operations and maintenance costs of the existing, out-of-date/portable, dispersed facilities while improving the longevity of expensive rescue equipment, improving emergency response time, and improving the existing situation by providing a safe, secure, and comfortable working for NPS employees and visitors experiencing an emergency.
- This project is not a phase of a prior approved project, and as proposed would not require any additional phases.

## I. PROJECT BUDGET

Complete the project budget using the provided Excel spreadsheet template and upload as a separate document to the “Submissions” tab in the Nomination Portal. Do not embed the project budget in this document.

### Partnership and/or Contributed Funds

Lake Mead NRA paid \$70,000 for the initial scoping documents being used for this facility (document available upon request).

## J. KEY CONTACTS

Authorized Officer: Mike Gauthier, Superintendent  
Email: mike\_gauthier@nps.gov

Phone Number: 760-252-6103

Project Manager: Stefani Dawn  
 Email: stefani\_dawn@nps.gov  
 Phone Number: 702-280-0388

Budget Officer: Scott Briggs  
 Email: scott\_briggs@nps.gov  
 Phone Number: 702-293-8687

## K. RANKING CRITERIA

The Ranking Criteria are used to evaluate the nomination against the goals for the Capital Improvements category. Nominating entities are not to include either the total point value or the point values by criteria in their responses. Nominations will be reviewed and scored by the Capital Improvements subgroup. Explain how the project meets each applicable criterion.

1. **SUSTAINABILITY & MODERNIZATION:** The project supports, or plans to support, conservation, preservation, restoration, or modernization of natural, cultural, or historic resources (which includes infrastructure) to ensure availability of those resources for future generations. The agency has shown the project is feasible and will remain relevant and continue to provide benefit to a recreation user over the anticipated life of the project. Clearly explain what the anticipated design life of the project is and identify what and how the natural resources will be sustained.

*A. A new project or facility, or planning for a new project or facility, including employee housing, designed specifically to engender conservation stewardship and provide new opportunities within the management area that is ecologically, economically, and socially sustainable for present and future generations and restore or preserve natural resources or cultural resources of the area. Directly supports the conservation and stewardship of natural and cultural resources.*

Answer: Staff and equipment housed in the Mohave District Public Safety and Community Annex are responsible/used for protecting cultural and natural resources (including Grapevine Canyon, a highly significant site to local tribes, the Avi Kwa Ame National Monument, 5 wilderness areas, and 17 historically significant buildings), as well as housing (park and public) and public facilities such hotels, stores, restaurants, picnic areas, and marinas (for a total of 780 structures across the Mohave Emergency District).

The Annex consolidates wildland and structural firefighting, law enforcement, and emergency medical services, housing all equipment in a secure, temperature controlled, and well-organized environment for a more rapid and effective response to emergencies. This project will incorporate options for sustainable/renewable energy sources and will select a site that strikes the best balance of footprint, orientation, viewshed/historic/environmental protection, cost savings, and efficiency for emergency response.

- B. Modernization or rehabilitation, or planning for the modernization or rehabilitation, of an existing project, facility and/or amenities to enhance the visitor experience, improve unit operations, and reduce or eliminate user impacts to the natural or cultural resources, or restore natural processes within the immediate project area.*

Answer: The Mohave District Public Safety and Community Annex is a modernization project that upgrades and consolidates multiple scattered emergency facilities that are housed in temporary and/or makeshift facilities not designed for emergency support and/or have been outgrown. The facility also provides a clear visitor touchpoint for this end of the park. Expensive (million dollar plus) equipment sits outside in extreme conditions, which is rapidly deteriorating this critical equipment and increasing time and expenses for maintenance. Through consolidation and modernization the new annex will increase emergency response time – protecting visitor health, safety, and well-being, as well as protecting the facilities that support visitors (e.g. restrooms, the visitor center, stores, restaurants, marinas), staff, and community members that live and work in the park.

- C. Planning of, or conservation and stabilization, restoration, or rehabilitation of, significant historic buildings, cultural sites, and other significant historic facilities for the present and future generations to enjoy and appreciate the areas cultural heritage.*

Answer: This project will provide a facility for a more rapid and effective response to wildland fires and human behaviors (such as vandalism and illegal off road vehicle use), which can rapidly destroy historic and cultural sites. In addition to the 17 buildings of historic infrastructure at Katherine Landing (as part of the Route 66 Historic District), the Mohave Emergency District helps protect the new Avi Kwa Ame National Monument, including the epicenter of the national monument, Spirit Mountain.

- D. New facilities, or planning for a new facility, that enhances or improves management of public lands. These might include visitor centers, contact stations, and campgrounds to improve public access; housing for staff, interns, and volunteers to carry out programs for improved conservation, education; and curation facilities and workspace to improve conservation of natural and cultural resources and opportunity for educational programming.*

Answer: The Mead District Public Safety Annex enhances/improves the management of public lands in multiple ways:

- *Fire Operations* (fire suppression, prevention, hazardous fuels removal, and helicopter support) across the southern arm of the park (which sees more than 750,000 visitors per year), contains five wilderness areas, and contains important cultural resources and natural resources (e.g. desert tortoise habitat, Joshua tree habitat, the Route 66 Historic District) and 1096 structures.
- *Law Enforcement* to support busy beaches, camping, and recreational activities in the park (e.g. swimming, boating, hiking), as well as manage/help prevent the ongoing use and creation of illegal roads, as well as, crime response and prevention.
- *Search and Rescue, Emergency Medical Response* – Lake Mead NRA has the highest number of deaths annually than any park in the National Park System. The need for

well equipped, prepared, and efficient medical and emergency response is critical to the visitor experience.

- *Offices and Work Center* from which NPS and partner agency staff can work individually and together as needed to respond to complex emergency events, prepare for managing and protecting large events (like triathlons and fishing tournaments) to protect visitors/participants, along with the quality and quantity of the environment.
- *Interpretive Visitor Center* – to provide maps, brochures, safety, resource protection, and park information.
- *Public Meeting Rooms* – For educational events/presentations, community planning meetings, etc.

2. **CONNECTIVITY:** The project provides, or plans to provide, recreational opportunities that link population centers, recreation facilities, and the user to the outdoors and natural landscapes. It encourages people to meaningfully connect with their natural environment, thus helping them appreciate and care for the environment. The project will also connect the user to the history and/or cultural of the site and engages the user in appreciation of the site/area.

- A. *Provides, or plans to provide, new, upgraded, or modernized feasible access and/or amenities or infrastructure to previously under-served areas and/or new opportunities to enjoy/appreciate public lands (e.g., trails, kiosks with location maps and site information, roads, parking, way-finding, restrooms, day use or overnight camping).*

Answer: Katherine Landing is located outside of Laughlin, NV and Bullhead City, AZ. The adjacent cities have a combined population of 50,000 people, with just under 25% identifying as Hispanic/Latinx, as well as several nearby tribes including Fort Mohave, Hualapai, and Colorado River Indian Tribes. The beaches along Lake Mohave (in the Mohave District) are very popular for Hispanic families/large groups to set up tents, bring barbeque pits, chairs, and coolers to swim, cook, and recreate. There are beaches that are both inside and outside of the fee area of the park.

Currently the southern end of the park does not have any type of visitor center facilities. There is a newly remodeled interpretive ranger building near the busiest boat ramp for ranger presence, but this new facilities will provide an interpretive center located immediately upon entry into the park (just past the fee station) with kiosks/displays/brochures sharing information about the park and area. The park is has translated many of its key brochures and maps into Spanish, which will be distributed at this location.

- B. *Improves, or plans to improve, access to previously developed recreation areas and sites on public lands and/or rehabilitates, upgrades, or modernizes site amenities (e.g., improves access to trails, area or site information and way-finding, converts high clearance access roads to passenger vehicle accessible roads, and/or improves parking).*

Answer: The Mohave Public Safety and Community Annex will provide a public entrance area with an interpretive ranger and/or public safety/resource rangers to provide guidance and support to visitors, as well as, to distribute brochures, maps, and safety information to increase/improve access to the variety of recreational activities in the southern end of the park. An anticipated deliverable for this project is to include kiosks inside and outside of this building to provide trail and area information. The new facility also provides parking for cars, buses, and vehicles with trailers, as well as covered outdoor patios for the public with seating, water, and bathrooms.

- C. *Provides, or plans to provide, new or additional recreation opportunities by connecting two or more existing recreational facilities/areas or cultural sites, and increased access to primitive or developed outdoor recreation and educational opportunities to meet increased user demand.*

Answer: The Mohave District Public Safety and Community Annex consolidates/connects multiple scattered emergency support facilities and provides expanded facilities to house more NPS emergency staff and partner agencies, as well as securely store more emergency equipment and supplies, which in turn supports increased user demand and emergency events that occur with increase visitation.

- D. *Contains an outreach and education or stewardship component to improve public awareness and engage the public in the conservation and protection of the surrounding natural environment through the use of resource interpretation (e.g., information signage, kiosks, on-site docent accommodations, educational programs, restoration, revegetation, invasive species removal, cultural site protection).*

Answer: The Mohave District Public Safety and Community Annex supports emergency personnel, law enforcement personnel, and interpretive rangers who interact with and educate park visitors on resource protection and safety. Information signage, kiosks, and brochures will be part of the interpretive sections of the new facility (there is no centralized, welcome/visitor center for the southern end of the park). Information that is distributed will include engaging the public and protection of the surrounding natural environment. The facility will also include public conference/meeting rooms for presentations, educational events, and community meetings.

3. **COMMUNITY:** The project provides, or plans to provide, or improves outdoor recreation opportunities to improve the quality of life, especially for underserved communities. It conserves or restores, or plans to conserve or restore, the functionality, resiliency, and integrity of biological communities, and/or addresses affordable employee housing. The project encourages partnerships, which in turn builds community. *(Encourages and engages the public in the conservation and protection of the surrounding natural environment through use of volunteer/stewardship resources)*

- A. *Outdoor recreation projects that provide, or plans to provide, economic benefits to local communities and social benefit to the recreationist and are responsive to changing demographics. The project has demonstrated feasibility and has agreements or partnerships in place for the planning, design, implementation, and/or management of*

*the project.*

Answer: The Mohave District serves a very large Hispanic/latinx populations as well as multiple tribes including Fort Mohave and Hualapai. Building the facilities will likely employ local/nearby trades people/construction workers. In addition, the expanded facility will enable the park to potentially hire and have working facilities for staff, most of whom would likely come from the local communities.

- B. *Project has identified committed non-SNPLMA sources of funding or in-kind contribution for the planning, design, and development of the project.*

Answer: The park has invested \$70,000 on pre-scoping documents for the building.

- C. *Project provides agency or unit support/administrative infrastructure in underserved areas to improve management of, conservation stewardship, educational programming, and access to, public lands.*

Answer: Lake Mead National Recreation Area sees a high percentage of Hispanic/latino visitors who enjoy setting up tents, cooking meals, and having large family gatherings at the lake. There are also numerous tribal communities in the area. The new Mohave District Public Safety and Community Annex will serve as a primary initial touchpoint for visitors after passing through the fee station. This includes the ability to interact with interpretive staff and/or emergency services staff (such as fire rangers or resource protection rangers). Park rangers regularly engage with park visitors to ensure safe practices are occurring (e.g. if pool toys are being used, rangers inform visitors of the dangers and encourage using life jackets from the park's life jacket loaner stations.) Resource protection rangers also interact with people who are "boondocking"/engaging in unapproved dispersed camping activities or riding off road, which can damage natural and cultural resources if done outside of designated areas.

- D. *Supports, or plans to support, community through affordable employee housing to promote economic development, enhance the quality of life, and improve the productivity and management of public lands.*

Answer: This project does not provide employee housing.

4. **OPERATIONS AND MAINTENANCE:** The agency has clearly demonstrated that the anticipated operations and maintenance costs for the project and resources necessary to operate the project are within existing appropriations or demonstrated how they will secure the necessary operations and maintenance funds. *(Agency has detailed the estimated annual O&M costs, estimated use, and permit fees to be collected, if applicable.)*

- A. *The agency has demonstrated that the project is feasible and current appropriations are sufficient for the operations and management of the new project or that O&M costs will be reduced after reconstruction and will be offset by concessionaire or volunteer labor*

*for O&M.*

Answer: The park currently supports the operations and maintenance costs for all emergency services support and facilities. The existing set-up consists of scattered facilities in multiple buildings that are either temporary or old and have been “converted” for their current, but unintended use. The park estimates it will save approximately \$14,000 annually by building the Mohave District Public Safety and Community Annex. These savings come from increased efficiencies from thoughtful, quality, environmentally sustainable construction, secure, climate-controlled storage of equipment and supplies, and less driving to multiple buildings scattered across this area of the park.

- B. *Volunteers or partners will be responsible for operation and maintenance of the project and agency funds will not be needed.*

Answer: Not applicable

- C. *The agency has included the current O&M costs, if any, and how this project will reduce current operations and maintenance costs. The entity has clearly shown what the anticipated savings will be, and/or how the project will reduce water use or energy costs for utilities or other O&M costs.*

Answer: The current annual operations and maintenance costs for the existing Mohave District safety support and response buildings is \$24,400. That is in *addition to* the minimum \$5000 per year *extra* spent on maintenance to emergency vehicles and related equipment due to the inadequate storage buildings/exposure to the elements (totaling at least \$29,500 for basic annual operations) (maintenance and operations costs for the Mohave District are higher because of the age and type of buildings, the additional distances for maintenance staff to drive, and higher summer temperatures.) Because of design efficiencies, the operations and maintenance costs for the new Mohave District Public Safety and Community Annex will decrease by an estimated \$14,000 per year compared to the current operations and maintenance costs of the existing, out-of-date/portable, dispersed facilities while improving the longevity of expensive rescue equipment, improving emergency response time, and improving the existing situation by providing a safe, secure, and comfortable working for NPS employees and visitors experiencing an emergency.

- D. *Project would improve, or plans to improve, energy efficiency and/or independence.*

Answer: Current emergency services buildings are old or temporary and not energy efficient. The new Mohave District Public Safety and Community Annex will utilize sustainable materials with high energy efficiency and longevity coupled with a design that maximizes passive solar gain in the winter and reduced solar gain the summer. HVAC systems will be energy efficient and the park plans to use solar power and water

collection/grey water re-use to offset energy and water use in the building. If possible, the project will strive to obtain a LEED silver rating level.

**5. LIFECYCLE REPLACEMENT/RECONSTRUCTION AND DEFERRED**

**MAINTENANCE:** Any existing project or facility that has met or exceeded its useful life, design life, or life cycle that requires major restoration or reconstruction, or plans for major restoration or reconstruction, to restore the historic fabric of the facility or meet standard new Federal accessibility guidelines. *(Does not include reconstruction, changes, or new amenities for previously approved SNPLMA capital improvement projects. Excludes projects that were identified as phased construction, each phase must be fully operational and serve the intended purpose upon completion.)*

- A. *The project remains relevant, but has exceeded its useful design life, does not meet current federal accessibility standards, or deferred maintenance costs exceed the cost of replacement or reconstruction.*

Answer: Nearly all of these public safety buildings at Katherine Landing were designed to be temporary and/or are in converted buildings not originally designed or appropriately sized for the current purpose. Extreme temperatures, monsoon storms with high winds and heavy rains, rodents, and termites, have significantly degraded these structures. Despite the park's ongoing maintenance (to the tune of over \$500,000), these buildings have exceeded their useful life and continued maintenance has diminishing returns. Moreover, the buildings lack proper climate control, security, and internet, and most of the buildings do not meet federal accessibility standards or have enough room to support the emergency support needs.

- B. *Current use has exceeded the original planned visitation/use and impacts have created a need to replace or reconstruct, or plans to replace or reconstruct, the facility earlier than originally intended and increased deferred maintenance costs exceed the cost of replacement or reconstruction. The project proposal shows the current annual maintenance costs and the anticipated savings after construction/reconstruction is complete.*

Answer: With the exception of the newly remodeled ranger building near the boat ramp, the resource protection ranger station, fire station, and holding cell facilities have exceeded their useful lifespan. Nearly all of these public safety buildings at Katherine Landing were designed to be temporary and/or are in converted buildings not originally designed or appropriately sized for the current purpose and need. Extreme temperatures, monsoon storms with high winds and heavy rains, rodents, and termites, have significantly degraded these structures. Despite the park's ongoing maintenance (to the tune of over \$500,000), these buildings have exceeded their useful life and continued maintenance has diminishing returns. Moreover, the buildings lack proper climate control, security, and internet, and most of the buildings do not meet federal accessibility standards or have enough room to support the emergency support needs. The type and

physical state of these buildings do not merit the investment it would take to bring them up to standards.

## L. ORDERS AND PRIORITIES

Respond to the Executive Orders, Secretarial Orders, Department of the Interior Priorities, and USDA Forest Service Priorities as they apply to the purpose of the nomination.

### 1. Executive Orders (EO):

#### 0. ***EO No. 13855: Promoting Active Management of America's Forests, Range Lands to Improve Conditions and Reduce Wildfire Risk***

Answer: The Mohave District Public Safety and Community Annex will consolidate and protect all of the wildland and structural fire equipment for the Mohave District end of the park, as well as house all the fire-fighting staff (who also protect Parashant/Grand Canyon National Monument). The Mohave District is 379 square miles/242,924 acres and contains three wilderness areas, the Route 66 Historic District, the new Avi Kwa Ame National Monument, and 780 structures such as marinas, restaurants, stores, park housing, and public housing areas.

#### 1. ***EO No. 14004: Ensuring the Future is Made in All of America by All of America's Workers***

Answer: All contracts and purchased supplies and materials will be in accordance with this Executive Order and all Federal Acquisition Regulation guidelines.

#### • ***EO No. 14063: Use of Project Labor Agreements for Federal Construction Projects (applicable to projects estimated at \$35 million or more)***

Answer: This project is less than \$35 million

#### • ***EO No. 14072: Strengthening the Nation's Forests, Communities, and Local Economies***

Answer: Local construction contracts will support the local businesses, economies, and communities.

#### • ***EO No. 14096: Revitalizing Our Nation's Commitment to Environmental Justice for All***

Answer: This project does not have a direct connection to this EO.

### 2. Secretarial Orders

**1. *SO No. 3347: Conservation Stewardship and Outdoor Recreation.***

Answer: Emergency personnel and interpretive rangers who are supported by the proposed Public Safety and Community Annex building are important in advancing conservation stewardship through their interactions with the public (for example asking/reminding visitors to remove trash/leave no trace, monitoring/advising the public on fires when dispersed camping, not driving on or creating illegal roads, etc.). This annex will also have a public entry/section with print, kiosk, and display information about the park resources and how to protect them, as well as safety.

**2. *SO No. 3356: Hunting, Fishing, Recreational Shooting, and Wildlife Conservation Opportunities and Coordination with States, Tribes and Territories.***

Answer: The Colorado River Heritage Trail in Nevada now connects to the newly completed Arizona Heritage Trail at Katherine Landing featuring new fishing piers, hiking, and paddlecraft launch. This site is particularly interesting in that it is managed jointly by both Nevada and Arizona (Nevada Department of Wildlife and Arizona Fish and Game) and the City of Bullhead City and Laughlin, NV. This project directly supports this initiative by allowing rangers to patrol and maintain a safe and secure dedicated fishing area. The Katherine Landing area is also home to some of the biggest Bass Fishing Tournaments in the region and thousands of fishermen participate in these events. The rangers in Katherine Landing provide direct support for these fishermen by providing a safe and secure environment. When emergencies happen (hit by drunk boaters, drownings, boat fires, boat accidents, etc.), this station and these rangers are all that is available to help these visitors.

**3. *SO No. 3362: Improving Habitat Quality in Western Big-Game Winter Range and Migration Corridors.***

This project does not have a direct connection to this SO.

**4. *SO No. 3366: Increasing Recreational Opportunities on Lands and Waters Managed by the U.S. Department of the Interior***

Answer: The Mohave District Public Safety and Community Annex will help increase recreational opportunities on lands and waters by having a centralized, welcoming facility where interpretive and community presentations and meetings can occur, maps and informational materials about nearby recreational activities can be distributed, and questions can be answered by park rangers.

**5. *SO No. 3370: Conservation Stewardship and Increasing Public Access to Urban National Wildlife Refuges.***

Answer: This project does not have a direct connection to this SO.

6. ***SO No. 3372: Reducing Wildfire Risks on Department of the Interior Land Through Active Management.***

Answer: This project reduces wildfire risks on DOI land in several ways: It houses rangers who can educate about fire safety, it provide facilities for fire engines that respond to trailer fires, dumpster fires, vehicle fires that often ignite vegetation resulting in wildfire; It provides a building built to code, reducing fire risk to our park lands; It reduces footprint. Each facility adds more risk (more utilities, etc.) The project is taking three make-shift fire hazard laden buildings and consolidates them to one up-to-code building.

7. ***SO No. 3373: Evaluating Public Access in Bureau of Land Management Public Land Disposal and Exchanges (focus is on Sec. 4.b.(3) Potential increased public recreational access to existing public lands resulting from the proposed land acquired through an exchange (acquisition).***

Answer: This project does not have a direct connection to this SO.

8. ***SO No. 3376: Increasing Recreational Opportunities through the use of Electric Bikes.***

Answer: The new Public Safety and Community annex can provide information about where to safely ride electric bikes in the park.

3. Department of the Interior Priorities:

- ***Identifying steps to accelerate responsible development of renewable energy on public lands and waters.*** *We are investing in climate research and environmental innovation to incentivize the rapid deployment of clean energy solutions, while reviewing existing programs to restore balance on America's public lands and waters to benefit current and future generations.*

Answer: This project plans to use renewable energy including solar panels on the roof and/or on covered parking.

- ***Strengthening the government-to-government relationship with sovereign Tribal Nations.*** *We understand that tribal sovereignty and self-governance, as well as honoring the federal trust responsibility to Tribal Nations, must be the cornerstones of federal Indian policy.*

Answer: The new Mohave District Public Safety and Community Annex will serve as a hub for nearby tribes and those that have lands along the Colorado River. The Mohave District also serves the new Avi Kwa Ame National Monument, which is co-managed by NPS and the BLM. The new Annex will offer an excellent location for NPS leadership to meet with federal and tribal partners, as well as philanthropic partners/friends groups for Avi Kwa Ame. The extra office space in the building

could also be offered to tribes and friend's groups to support their mission and facilitate partnerships, projects, and events.

- ***Making investments to support the Administration's goal of creating millions of family-supporting and union jobs.*** This includes establishing a new Climate Conservation Corps Initiative to put a new generation of Americans to work conserving and restoring public lands and waters, increasing reforestation, increasing carbon sequestration in the agricultural sector, protecting biodiversity, improving access to recreation, and addressing the changing climate.

Answer: This project will support numerous new jobs, both within the park and in union-supporting construction/trade jobs.

- ***Working to conserve at least 30% each of our lands and waters by the year 2030.*** We will work to protect biodiversity, slow extinction rates, and help leverage natural climate solutions by conserving 30% of America's lands and waters by 2030. This relies on support for local, state, private, and tribally led conservation and restoration efforts that are underway across America.

Answer: This project indirectly supports this priority by providing improved and expanded facilities to house/support law enforcement/resource protection rangers who help protect the lands and water conserved by the park.

- ***Centering equity and environmental justice.*** The impacts of the multiple crises in the United States are not evenly distributed in our society. Communities of color, low-income families, and rural and indigenous communities have long suffered disproportionate and cumulative harm from air pollution, water pollution, and toxic sites. At every step of the way, Interior will engage diverse stakeholders across the country, as well as conduct formal consultation with Tribes in recognition of the U.S. government's trust responsibilities.

Answer: This project does not have a direct connection to this priority.

#### 4. USDA Forest Service Priorities:

- ***Controlling the COVID-19 pandemic***

N/A

- ***Providing economic relief***

N/A

- ***Tackling climate change***

N/A

- *Advancing racial equity*

N/A

- *Improving our workforce and work environment*

N/A

## **M. MAPS**

Maximum of six maps, labeled with a description. Maps must include a scale, title, the author, north arrow, date and time of preparation, and a legend. Upload maps as JPEG in the Nomination Portal.

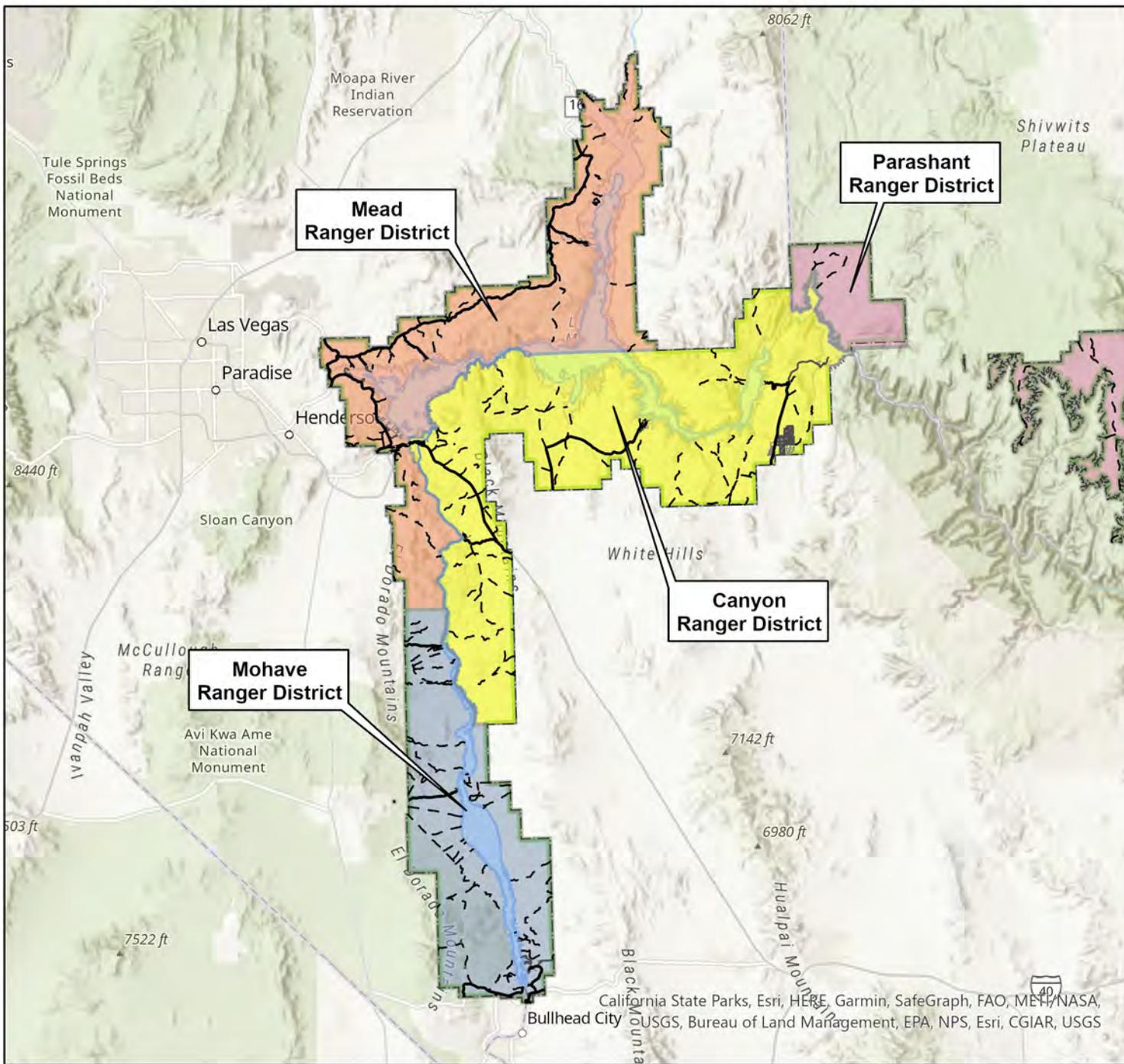
## **N. PHOTOS**

Maximum of six photos, up to 20mg each or less. Provide descriptions. Upload photos as JPEG in the Nomination Portal.

# Emergency Services Coverage at Lake Mead NRA

SNPLMA - Round 20 Proposal - Mohave District Public Safety and Community Annex at Katherine Landing

Lake Mead National Recreation Area  
Arizona/Nevada  
National Park Service  
U.S. Department of the Interior



## VRP Ranger Districts

- Canyon
- Mead
- Mohave
- Parashant
- Lake Mead NRA Boundary
- Highway
- Major Road
- Local Road
- Approved Backcountry Road
- Other Unpaved Road



0 10 20 Miles

0 20 Kilometers

10/31/2023  
By LAKE, GIS Office

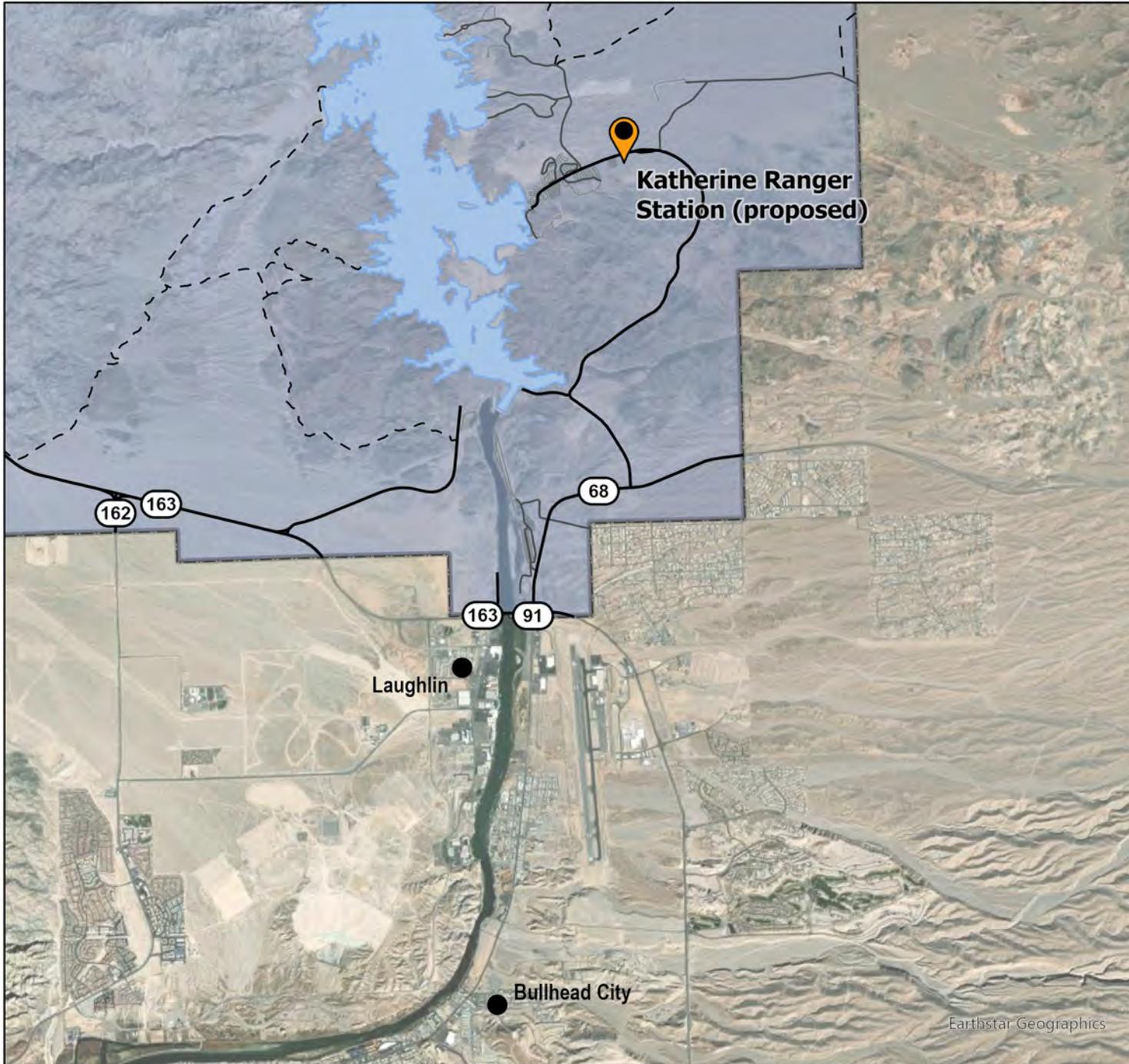


California State Parks, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, Bullhead City, USGS, Bureau of Land Management, EPA, NPS, Esri, CGIAR, USGS

# Mohave District Public Safety and Community Annex Location

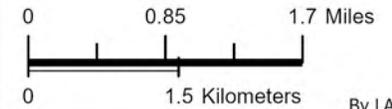
SNPLMA - Round 20 Proposal - Mohave District Public Safety and Community Annex at Katherine Landing

Lake Mead National Recreation Area  
Arizona/Nevada  
National Park Service  
U.S. Department of the Interior



## VRP Ranger Districts

- Mohave
- Lake Mead NRA Boundary
- Highway
- Major Road
- Local Road
- Approved Backcountry Road
- Other Unpaved Road



10/31/2023  
By LAKE, GIS Office



Earthstar Geographics

### 1. Katherine Landing Ranger Station

\*No parking for LE Vehicles, there are approximately 2 parking spaces for LE vehicles for 8 patrol vehicles and the spillover parking is in the public campground

\*Limited office space - there is no meeting space and cramped cubicles

\*No direct restroom access - employees have to leave the office and lock up the office every time they go to the restroom

\*This building stores medical supplies which is separate from where the ambulance is stored because there is no AC where the ambulance is parked

\*This building contains all prisoner and evidence equipment which is not where the holding facility is because the holding facility is not secure

\*This building is a public facing building with no way for visitors to access the ranger staff (no call box, no window, no community meeting space to get injured visitors out of hot sun.

### 2. Fire Station, Dry Ambulance Storage, and "Gym"

\*No HVAC, Temps reach 125 degrees

\*No Storage for ambulance or other emergency vehicles

\*Makeshift Gym is located inside with no HVAC

\*This facility "houses" fire engine and ambulance, but it not close to areas that contain the supplies

\*There is no shower facility which is required for firefighters to wash off carcinogens

### 3. Holding Facility and Boating Safety Storage

\*Shared with a boating equipment room

\*Holding facility does not have a restroom. This requires officers to transport a prisoner to a public restroom everytime. This is a major officer safety problem.

\*The current holding cell is only one cell. Often there are 2 parties (i.e. fights) and we need to detain 2 parties. The cell is also not airconditioned and is extremely uncomfortable for all parties involved during hot summer days.

\*There is no security on this building and no cameras

\*There is no connectivity at this site which is problematic for booking a prisoner

\*There is no space for boating supplies and boating equipment is stored in the fire station or ranger station

\*There is significant termite damage

\*There is parking for 2 patrol cars





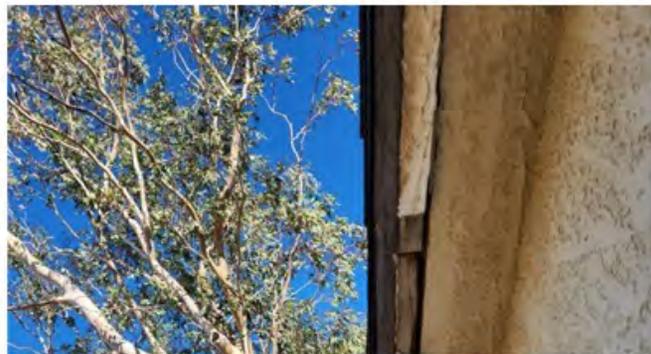
Photo 1: Fire Station/Dry Ambulance Storage/Gym  
Mohave District (Katherine Landing)



Photo 2: Holding Facility  
Mohave District  
(Katherine Landing)



# Photo 3: Ranger Station Mohave District (Katherine Landing)



**SNPLMA ROUND 19 NOMINATION  
Capital Improvements**

**Performance Measures**

<b>SNPLMA FY2020-FY2024 STRATEGIC PLAN GOAL 1: Sustain the Quality of the Outdoor Environment by Conserving, Preserving, and Restoring Natural and Cultural Resources</b>		
<b>Performance Measures for Habitat Enhancement</b>	<b>Definition of Performance Measure</b>	<b>Quantity</b>
H2 - Miles of Riparian Stream or Shoreline Habitat Treated, Enhanced, or Restored	Report the number of miles of riparian stream and/or shoreline vegetation and/or wildlife habitat treated, enhanced, or restored. This can include retreatment and/or maintenance treatments only if the initial treatment was not funded through SNPLMA and the miles have not been accounted for in the performance measures for another SNPLMA project. Include acres treated by fire for resource benefits, but not other types of wildland fire. Do not report treatments targeting invasive vegetation, as those should be reported under the H9 performance measure. Do not report hazardous fuels reduction projects, as those should be reported under either the F1 or F2 performance measures. Report to the nearest whole mile.	0
H3 - Miles of Riparian Stream or Shoreline Habitat Surveyed, Inventoried, or Monitored	Report the number of miles of riparian stream and/or shoreline vegetation and/or wildlife habitat surveyed, inventoried, or monitored. Report to the nearest whole mile.	0
H4 - Acres of Upland Habitat Treated, Enhanced, or Restored	Report the number of acres of upland vegetation and/or wildlife habitat treated, enhanced, or restored. This can include retreatment and/or maintenance treatments only if the initial treatment was not funded through SNPLMA and the acres have not been accounted for in the performance measures for another SNPLMA project. Include acres treated by fire rehabilitation projects or by fire for resource benefits, but not other types of wildland fire. Do not report treatments targeting invasive vegetation, as these should be reported under the H9 performance measure. Do not report hazardous fuels reduction projects, as these should be reported under either the F1 or F2 performance measures. Report to the nearest whole acre.	0
H5 - Acres of Upland Habitat Surveyed, Inventoried, or Monitored	Report the number of acres of upland vegetation and/or wildlife habitat surveyed, inventoried, or monitored. Report to the nearest whole acre.	0
H6 - Acres of Wetland / Riparian Habitat Treated, Enhanced, or Restored	Report the number of acres of wetland vegetation and/or wildlife habitat treated, enhanced, or restored. This can include retreatment and/or maintenance treatments only if the initial treatment was not funded through SNPLMA and the acres have not been accounted for in the performance measures for another SNPLMA project. Include acres treated by fire rehabilitation projects or by fire for resource benefits, but not other types of wildland fire. Do not report treatments targeting invasive vegetation, as these should be reported under the H9 performance measure. Do not report hazardous fuels reduction projects, as these should be reported under either the F1 or F2 performance measures. Report to the nearest whole acre.	0
H7 - Acres of Wetland / Riparian Habitat Surveyed, Inventoried, or Monitored	Report the number of acres of wetland vegetation and/or wildlife habitats inventoried or monitored. Report to the nearest whole acre.	0

H8 - Number of Water Developments Constructed or Improved for Wildlife	Report the number of water developments for use by wildlife constructed or improved/repared within all habitat types. Existing projects may be counted under this performance measure if functional improvements/repairs are made as defined in the project nomination. Report each development constructed or improved as one unit (e.g., one project may have three water developments).	0
H9 - Acres of Invasive Plant Species Treated or Restored	Report the number of acres of weed infestation treated with chemical, mechanical, physical, or biological control agents for the purpose of weed control. Include acres treated by fire when fire is used as a physical control agent for weed control rather than as a hazardous fuels treatment. Each acre treated is counted only once during the life of the project, no matter how many re-treatments occurred during the project. Report to the nearest whole acre.	0
H10 - Acres of Invasive Plant Species Surveyed, Inventoried, or Monitored	Report the number of acres of weed infestation inventoried or monitored. Include monitoring of weed treatment projects reported under performance measure H9. Report to the nearest whole acre.	0
H14 - Number of Threatened and Endangered Species Recovery Actions Implemented	Report the number of individual recovery actions performed for threatened or endangered species recovery as identified in recovery plans, conservation management plans, or land use planning documents. Include surveys, inventories, and monitoring as recovery actions. Note: One distinct action repeated 5 times over the course of the project would report as 1 action, not 5. The same recovery action conducted at distinct sites can be counted once for each site (this does not apply to individual plots within one single project site). The number of acres over which the actions were taken are reported under either H4 or H6. Report each action as one unit.	0
H15- Number of Conservation Actions Implemented for Non-Listed Species	Report the number of individual conservation actions for species not listed under the Endangered Species Act. Note: One distinct action repeated 5 times over the course of the project would report as 1 action, not 5. The same conservation action conducted at distinct sites can be counted once for each site (this does not apply to individual plots within one single project site).The number of acres over which the actions were taken are reported under either H4 or H6. Report each action as one unit.	0
H16 - Miles of Roads or Trails Decommissioned and/or rehabilitated	Report the number of miles of roads and/or trails decommissioned and/or rehabilitated within all habitats (urban, upland, riparian, stream, trails in caves, etc.). Closure may include designation, signing, blockage by physical means, obliteration, etc. Report to the nearest whole mile.	0
H17 – Miles of Roads or Trails Surveyed, Inventoried, or Monitored	Report the number of miles of roads and/or trails inventoried or monitored. Report to the nearest whole mile or linear foot. Report to the nearest whole mile.	0
<b>Performance Measures for Cultural / Paleontological Resources</b>	<b>Definition of Performance Measures</b>	<b>Quantity</b>
C1 - Number of Cultural or Historic Sites or Structures Stabilized or Protected	Report the number (one unit for each site or each structure) where work is completed to protect, stabilize, restore, excavate, and/or manage cultural features. For sites receiving multiple treatments, count each site only once, but if multiple structures are on a site, count each structure separately. For example an archeological dig site would be counted as one although multiple excavations may take place on the site, whereas a site having remnants of three separate dwellings would be counted as three. Report installation of interpretive signs and structures (e.g., kiosk displays) under O6. Report administrative actions such as mineral withdrawals, closures, or special designations under H1. Report each site or structure as one unit.	0

C2 - Number of Cultural or Paleontological Artifacts Protected	Report the number of cultural and/or paleontological artifacts protected, stabilized, or catalogued. Report one unit for each repatriation or transfer of custody of Native American human remains, funerary objects, sacred objects, and/or objects of cultural patrimony (cultural items) held in collections, pursuant to Title 43 CFR Part 10.10.; each instance in which all requirements of Title 43 CFR Part 10.10 have been met but where actual repatriation has not been completed because of decisions made by lineal descendants or Indian tribes or lack of a valid claim; and reburial of repatriated cultural items on BLM public lands. Report the number of accessions cataloged, inventoried, rehoused and/or otherwise upgraded. Materials from several sites or localities that are accessioned and cataloged under a single accession number should be considered one unit. An accession for which any one or more of the tasks of cataloging, inventorying or upgrading has been completed should be reported as one unit. Report each artifact as one unit.	0
C3 - Acres of Cultural / Paleontological Resources Surveyed, Inventoried or Monitored	Report the number of acres of land surveyed, inventoried, or monitored for cultural and/or paleontological resources. Include acres surveyed using Class I study of existing information inventory, Class II probabilistic field survey, or Class III intensive field survey and resultant inventory as required by Section 14 of the Archaeological Resources Protection Act (ARPA) or Section 110 of the National Historic Preservation Act (NHPA). Report to the nearest whole acre.	0

<b>SNPLMA FY2020-FY2024 STRATEGIC PLAN GOAL 2: Improve the Quality of Life for all Publics in Urban and Rural Communities by Enhancing Recreational Opportunities that Connect People with the Outdoor Environment</b>		
<b>Performance Measures for Recreation Management</b>	<b>Definition of Performance Measures</b>	<b>Quantity</b>
R3- Number of New Recreational Facilities / Structures Constructed or Improved	Report the number of new recreational buildings, structures, park amenities, or similar facilities constructed or improved. Existing recreational facilities may be counted under this performance measure if functional improvements are made as defined in the project nomination. Include shade shelters, picnic areas, playgrounds, arenas, amphitheaters, pedestrian bridges, etc. Do not report acres of land acquired for new parks or natural areas as this should be reported under performance measure R5 or R6. Report each facility or structure as one unit.	1
R4- Miles of New Recreational Roads / Trails Constructed or Routes Improved	Report the number of miles of new recreational roads and/or trails constructed or improved. Restoration of existing roads and/or trails may be counted under this performance measure if functional improvements are made as defined in the project nomination. Report to the nearest whole mile.	0

<b>SNPLMA FY2020-FY2024 STRATEGIC PLAN:            Other Performance Measures that Also Support the Three Values for SNPLMA Implementation            of Sustainability, Connectivity, and Community</b>		
<b>Other Performance Measures</b>	<b>Definition of Performance Measures</b>	<b>Quantity</b>
O1 - Number of Hazardous Sites Remediated	Report the number of hazardous sites where remediation actions are completed. Actions to be included are: removal of safety hazards, clean-up operations, restoration actions, and water quality remediation actions. Do not report temporary remediation measures. Report each site as one unit. When applicable, also report total weight of trash removed during clean-up operations.	0
O2 – Number of Buildings, Facilities and/or Amenities Constructed or Refurbished	Report the number of buildings, facilities, or amenities constructed or refurbished to improve access, functionality and/or health and safety for employees and the public, or to facilitate the integrity of resource values. Include cross walks, park/trail lighting, fencing, barriers, retaining walls, weirs, signing, security cameras, etc. Report each building, facility or amenity as one unit.	4 (security cameras, fencing, parking, side walk)
O6 - Number of New Interpretive or Education Publications/Signs/ Kiosks/Displays/etc. Produced	Report the number of new interpretive or education publications produced, signs produced and installed, public informational websites or other electronic media presentations designed and implemented, and informational or interpretive kiosk displays produced and installed. Report each item produced as one unit.	3
O8 – Buildings or Facilities that Support Green Sustainable Design and Construction	Report the percent reduction in the carbon footprint accomplished through green design, water conservation, energy independence, etc. Report the Leed certification level (silver, gold, platinum), if applicable. Report each building or facility as one unit.	1
O9 – Number of GIS Databases Generated and/or Map Layers Produced	Report the number of GIS databases created and/or the number of map layers produced to identify the location of natural resources within the environment and provide mapping for use in educational programs. Report each database or map layer as one unit.	0
O10 – Number of Volunteers Used	Report the number of volunteers used in educational or interpretive programs and for surveying, monitoring, or restoration activities. Report each volunteer as one unit.	0
O11 – Number of Databases, Reports, and Other Electronic Means of Documenting Activities	Report the number of new databases, electronic reporting tools, mathematical/statistical models, websites, or reports developed and implemented to document project and/or program work. Report each electronic document or method developed as one unit.	0
O12 – Number of Management Plans/Handbooks/Manuals/ Guides for Activity on Public Lands Completed (formerly under H11, F3, C4, and R1)*	Report the number of new or revised ecosystem restoration, hazardous fuels reduction, recreation, cultural, resource management, or other activity plans when the decision document for the plan is signed. Revisions include modification of a significant portion of the decisions in the activity plan. Do not report minor amendments or changes in these plans. Report each plan as one unit.	0

**\*Note:**

Performance Measures H11, F3, C4, and R1, from original list were generalized and combined into new Performance Measure, O12.

**Glossary**

**Accession** – One or more objects and/or specimens acquired in the same manner from one source at one time for the museum property collection. Accessioning is the process of formally accepting and establishing permanent legal title (ownership) and/or custody for an object or specimen or group of objects and/or specimens. An accession can consist of materials and associated archives from a single site or fossil locality, or materials from several sites or fossil localities.

**Biological Treatments** – Treatment of vegetation using domestic animals, insects, etc.

**Chemical Treatments** – Treatment of vegetation with herbicides, etc.

**Inventory** – Collection and analysis of baseline information; counting number of a given species, cultural feature, etc.

**Mechanical Treatments** – Treatments using hand or motorized tools for mowing, chaining, ripping, thinning, seeding, etc.

**Monitoring** – Establishment of current status and/or trends in environmental variables

**Riparian Habitat** – Riparian habitat includes the interface between upland habitat and a river, stream, or lake, regardless of whether it is intermittent or perennial. Riparian habitats are characterized by vegetation adapted to growing in water or saturated soils. Includes riparian woodlands, forests, buffer zones, or strips.

**Survey** – Observing an area to determine if a species or resource exists after which an inventory may or may not be performed.

**Upland Habitat** – Upland habitats include Mojave desert, grassland, shrub lands, pinyon juniper forests, and woodland sites.

**Wetland Habitat** – Wetlands are saturated areas, either permanently or seasonally, with characteristic vegetation adapted to its unique soil conditions.

Instructions: Put project cost estimates in Tabs 1-8. The values from those tabs will roll-up to this summary worksheet. The Non-Federal Contribution can be entered in Tabs 1-8 as a whole amount, it does not need to be broken out by unit cost.

**PROJECT BUDGET**

<b>Project Name:</b>	Mohave District Public Safety and Community Annex at Katherine Landing	<b>Date:</b> 11/03/23	
<b>Project Manager:</b>	Stefani Dawn	<b>Agency:</b> NPS	
<b>Cost Categories</b>		<b>SNPLMA</b>	<b>Non-Federal Contribution</b>
1. Personnel (labor plus benefits)		\$ 5,136,046.00	\$ -
2. Travel		\$ 3,315.00	\$ -
3. Training		\$ 1,000.00	\$ -
4. Equipment		\$ 18,000.00	\$ -
5. Supplies/Materials		\$ -	\$ -
6. Contracts and/or Agreements		\$ 19,450,000.00	\$ -
7. Vehicle Use		\$ 130,680.00	\$ -
8. Other Necessary Expenses		\$ 78,990.00	\$ -
<b>9. TOTAL PROJECT BUDGET</b>		<b>\$ 24,818,031.00</b>	<b>\$ -</b>

Notes: Portions of this budget are reduced to illustrate cost-sharing/increased efficiency savings by constructing two Public Safety Annexes at two different locations at the Park (see "Public Safety Annex: Boulder Beach" proposal). The cost-shares are described under each relevant line item. These buildings are the same layout/plan and cost savings are anticipated by having staggered construction occurring at both sites at the same time using the same contractors and the same materials used at each site.

## 1. PERSONNEL

Include labor costs for all aspects of project implementation where agency labor will perform the work, e.g. planning and environmental documentation, section 106 compliance, labor to perform implementation, project management, interdisciplinary team (ID team), engineering, etc. Labor expense documentation must correlate the individual labor expense with the deliverable, task, or subtask. Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total labor costs.

Description of Role	Unit	Unit of Measure	Unit Cost	SNPLMA	Non-Federal Contribution
Aimee Warner-Marcum, Supervisory Engineer - GS 13 - 75 hours per year x 6 years - construction oversight/management, review and approval of engineering documents, supervise Engineering Technician (75 hours/year x 6 years = 450 hours)	450	Hours	\$ 51	\$ 22,950	\$ -
Stefani Dawn, Partnerships and Grants Management Specialist - GS-12- Grant Management quarterly report writing, overall deliverables progress, receipts organization (10% FTE x 6 years)	1248	Hours	\$ 48	\$ 59,904	
Construction Project Management - schedule tracking, coordinating with architects and engineers, setting up and overseeing contracts - 6 years total (National Park Service Denver Services Center, 30% of project cost)	1	Job	\$ 4,500,000	\$ 4,500,000	\$ -
Engineering Technician (new term position) - 0.5 FTE - Term position - GS 9 - 5.5 years (30% Fringe, 5% increase per year, 6 months to hire) (5.5 years x 1040 hours = 5,720 hours)	5720	Hours	\$ 40	\$ 228,800	\$ -
Budget Analyst - 0.5 FTE - (new term position) - GS 9 - 5.5 years (30% Fringe, 5% increase per year, 6 months to hire) (5.5 years x 1040 hours = 5,720 hours)	5720	Hours	\$ 40	\$ 228,800	\$ -
IT Support (existing position) - GS 11 - 120 hours/year for planning (years 1-3), 240 hours/year (during construction, years 4-5), review and feedback of planning and construction documents (design team meetings, review plans, review specs), wiring and server installation near end of construction (480 hours year 6) (30% Fringe, 5% increase per year) (1920 hours)	1320	Hours	\$ 45	\$ 59,400	\$ -
Facilities Service Assistant (new term position) - 0.5 FTE, 5.5 years (6 months to hire) - supports with logistics coordination, data entry/tracking, communication, and asset management (30% Fringe, 5% increase per year, 6 months to hire) (5.5 years x 1040 hours = 5720)	5720	Hours		\$ -	\$ -
Chris Nycz - Cultural Resource Manager - GS-11- Cultural Compliance - Katherine Landing building location is outside of the historic district but visual impacts analysis still need to be evaluated with respect to historic district, updated survey and photos, survey report for consultation letter, coordination and communication for regional historic landscape architect review, consultation letters to tribes and AZ SHPO	200	Hours	\$ 45	\$ 9,000	\$ -

Wyatt Medley - Environmental Protection Specialist - GS-12 - Oversee NEPA compliance activities - The location of this building will meet categorical exclusions EA is not required, staging areas still need analysis but will likely be in existing parking lots and meet categorical exclusions, extension of utility lines analysis - pre-construction analysis and consultation letters, monitoring during construction, post-construction close out (464 hours)	464	Hours	\$ 48	\$ 22,272	\$ -
Staff Archeologist (existing position) - GS-10 - site visits, photos, surveys	60	Hours	\$ 41	\$ 2,460	\$ -
Staff Biologist (existing position) - GS-10 - site visits and surveys for compliance	60	Hours	\$ 41	\$ 2,460	\$ -
		Hours		\$ -	\$ -
		Hours		\$ -	\$ -
		Hours		\$ -	\$ -
		Hours		\$ -	\$ -
		Hours		\$ -	\$ -
		Hours		\$ -	\$ -

Total	\$ 5,136,046	\$ -
-------	--------------	------

**2. TRAVEL**

Travel expenses must make a direct and logical contribution to the project's purpose and deliverables (including tasks and subtasks, as appropriate). Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total travel costs.

Description of Travel and Purpose	Unit	Unit of Measure	Unit Cost	SNPLMA	Non-Federal Contribution
Hotel stays in Laughlin, NV for staff as needed for multi-day site visits/work during construction (commute is 2 hours round trip from Boulder City to Katherine Landing, most trips will be single day, a few overnight stays for staff are anticipated.) (GSA rate \$152/night hotel, \$69/day M&IE total = \$221) (1 night x 5 trips x 3 staff = 15 trips)	15	Trip	\$ 221	\$ 3,315	\$ -
	0	Trip	\$ -	\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -

<b>Total</b>	\$	3,315	\$	-
--------------	----	-------	----	---

### 3. TRAINING

Training expenses must make a direct and logical contribution to the project's purpose and deliverables (including tasks and subtasks, as appropriate). Example, contracting officer representative or program officer/assistance agreement training, training for chainsaw use, training for pesticide application, visual resource management, etc. Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total training costs.

Description of Role	Unit	Unit of Measure	Unit Cost	SNPLMA	Non-Federal Contribution
Contracting Officer's Representative Training	1	Each	\$ 1,000	\$ 1,000	\$ -
	0	Each	\$ -	\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -

Total	\$	1,000	\$	-
-------	----	-------	----	---

#### 4. EQUIPMENT

Purchase, lease, or rental of equipment (not included in a contract or agreement) for project implementation. Equipment must make a direct and logical contribution to the project's purpose and deliverables (including tasks and subtasks, as appropriate). SNPLMA will only pay for the value of the equipment used during the project. The value of the equipment must be documented at the beginning and end of use to determine the amount SNPLMA will pay, if greater than \$5,000. Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total equipment costs.

Description of Role	Unit	Unit of Measure	Unit Cost	SNPLMA	Non-Federal Contribution
Shared vehicle for Engineering supervisor, Engineering Technician, project managers (\$500/month x 3 construction years)	36	Month	\$ 500	\$ 18,000	\$ -
	0	Month	\$ -	\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -

<b>Total</b>	<b>\$</b>	<b>18,000</b>	<b>\$</b>	<b>-</b>
--------------	-----------	---------------	-----------	----------

**5. SUPPLIES AND MATERIALS**

Supplies and materials necessary to complete the project. Supplies/materials must make a direct and logical contribution to the project's purpose and deliverables (including tasks and subtasks, as appropriate). Supplies/materials must be the minimum amount necessary to accomplish the project; purchasing extra supplies/materials to "stock the cache" for post project management activities is prohibited. Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total equipment costs.

Description of Role	Unit	Unit of Measure	Unit Cost	SNPLMA	Non-Federal Contribution
supplies are provided by the contractors	0		\$ -	\$ -	\$ -
	0		\$ -	\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -

<b>Total</b>	\$	-	\$	-
--------------	----	---	----	---

**6. CONTRACTS AND AGREEMENTS**

Contracts and/or agreements (grants, cooperative agreements, assistance agreements, stewardship agreements, interlocal or state agreements, etc.) necessary to implement the project's purpose and deliverables (including tasks and subtasks, as appropriate). Extra or more robust documentation may be necessary if the contract and/or agreement is for multiple projects (e.g. a Master Agreement or CESU agreement). Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total grant and agreements used to implement the project.

Description of Role	Unit	Unit of Measure	Unit Cost	Subtotal	Non-Federal Contribution
Construction Contracts - building the Public Safety Annex at Katherine Landing - bid is based upon the pre-scoping work that was completed in 2021 and adjusted for inflation	1	Job	\$ 15,000,000	\$ 15,000,000	\$ -
Construction Management Representatives - Fulltime on site construction inspection and daily monitoring at Katherine Landing, software management, scheduling, cost analysis, Request For Information Analysis (multiple positions) \$400,000/year (3 years, active construction) (NPS staff are located at Boulder City and not onsite to monitor daily construction, this additional support is needed due to the size, location, and complexity of the project)	3	Year	\$ 400,000	\$ 1,200,000	\$ -
Tortoise Monitoring - \$200,000/year x 3 years (construction) (\$75-125/hr x 2000 hours for monitoring + biologist)	3	Year	\$ 200,000	\$ 600,000	\$ -
Design Contracts - Title 1 (conducting geotechnical investigation and report, value analysis, utility connection verification, preliminary design plans) + Title 2 (Produce construction drawings)	1	Job	\$ 1,500,000	\$ 1,500,000	\$ -
Title 3 contract - final inspection by engineer of record to validate that the project was built to the specifications	1	Job	\$ 150,000	\$ 150,000	\$ -
Demolition and removal of old buildings the Public Safety and Community Annex is replacing	1	Job	\$ 1,000,000	\$ 1,000,000	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -

<b>Total</b>	<b>\$ 19,450,000</b>	<b>\$ -</b>
--------------	----------------------	-------------

**7. VEHICLE USE**

Use of an agency/entity vehicle, purchase of a new vehicle, rental of vehicle, or any other vehicle use not covered under Equipment. If possible, use the agency/entity fixed operation rate (FOR) multiplied by the unit (miles or hours) over the life of the project. The FOR includes depreciation and wear and tear on the vehicle tires, wiper blades, routine vehicle maintenance, etc. If special tires or replacement tires or other vehicle equipment is necessary, please show it under "Equipment." Vehicle expenses must make a direct and logical contribution to the project's purpose and deliverables (including tasks and subtasks, as appropriate). Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total vehicle use to implement the project.

Description of Role	Unit	Unit of Measure	Unit Cost	Subtotal	Non-Federal Contribution
Supervisory Engineer travel from Boulder City to Katherine Landing, 6x/year, 6 years (180 miles round trip, \$0.80/mile)	6480	Miles	\$ 1	\$ 5,184	\$ -
Engineering Technician from Boulder City - 6x/year during design (years 1-3), 1/week during construction (years 4-6) (180 miles round trip, \$0.80/mile)	31320	Miles	\$ 1	\$ 25,056	\$ -
IT Support travel 6x/year (6 years) (180 miles round trip, \$0.80/mile)	93960	Miles	\$ 1	\$ 93,960	\$ -
Compliance NPS staff travel 6x/year (6 years) (180 miles round trip, \$0.80/mile)	6480	Miles	\$ 1	\$ 6,480	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -

<b>Total</b>	<b>\$</b>	<b>130,680</b>	<b>\$</b>	<b>-</b>
--------------	-----------	----------------	-----------	----------

**8. OTHER NECESSARY EXPENSES**

Other Necessary Expenses are time and materials necessary for project implementation but are not specific to any one deliverable (including tasks and subtasks, as appropriate). If you included the labor, equipment, and/or supplies and materials in the other sheets, do not include them here. Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total other necessary expenses to implement the project. This is not a complete list. Contact the SNPLMA Division for guidance on other necessary expenses.

Description of Role	Unit	Unit of Measure	Unit Cost	Subtotal	Non-Federal Contribution
Construction site security (increased patrols during construction Years 4-6) (1 hour/day x 365 days x 3 years)	1095	Hours	\$ 58	\$ 63,510	\$ -
Cell phones for 3 new dedicated project staff (Engineering Tech, Budget Analyst, and Facilities Management Assistant)(\$200 for phone + \$60/month x 12 months x 5.5 years)	3	each/month	\$ 4,160	\$ 12,480	\$ -
Sewer System and Water System Fees	1	each	\$ 3,000	\$ 3,000	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -

<b>Total</b>	\$	<b>78,990</b>	\$	<b>-</b>
--------------	----	---------------	----	----------

**SNPLMA Round 20  
Capital Improvements Project Addendum**

**Nomination:** Tab 7

**Entity:** Bureau of Land Management, S.NV District Office, Red Rock National Conservation Area

**Project:** Proposed Red Rock Canyon National Conservation Area Telecommunications Modernization Project

**Remarks/Clarifications Needed:**

**Overall Comment:**

There is a wide range of products and services under the heading of Telecommunications. This nomination specifies Fiber Optics which are flexible fibers of glass that transmit light signals. Fiber Optics permits data transmission over longer distances and at higher bandwidths than electrical cables.

Fiber Optics on its own does not constitute a telecommunication 'system'. The Fiber Optic line must come into a building and connect to infrastructure, such as an entity's network server. It comes in as '1 pair', you need at least 1 pair per building. The entity's server must be hard-wired to a Switch. From the Switch, a blue Ethernet cable line goes to a Router and/or desktop computers.

The Router is the unit that emits the wi-fi signal, just like in a home, a person needs to be near the router in order to connect to the wi-fi. Routers/switches/fiber optics are not the same as cell signal. Cellular signal are radio waves that bounce from a cell phone to cellular provider towers across the country. If there is no cell signal, it's because there are no towers close by.

**Section A – Background Information:**

1. Cable will "tie into any existing Telecommunications Modernizations at Summerlin and to any termination points already established near BLM facilities within Red Rock Canyon".  
**Needs clarification. Does entity not know where tie-in/termination points are? How far/close can affect the price.**
2. "Provide WIFI hotspots throughout the NCA."
3. "Connecting public land users to mapping software at all the trailheads that will allow users the ability connect to Wi-Fi and download the trail maps."
4. "Wi-Fi will also increase user safety by reducing the number of search and rescues (SARS) within Red Rock Canyon that have historically been a result of the visitors getting lost while recreating."
5. "Wi-Fi will also allow campers to have access to the outside world while at the Red Rock Campground."
6. "Utilize internet connectivity to install remote surveillance and security to increase user safety and enhance visitor's experience while they recreate outdoors at Red Rock Canyon."
7. "Installation of surveillance cameras in all highly visited parking lots cameras and other various highly visited locations in the Core Area of Red Rock Canyon to prevent car-break ins and other criminal activities."
8. "Provide voice over IP emergency phones around the Red Rock Canyon."  
**These statements need clarifying. Laying a Fiber Optic line will not create wi-fi hot spots at trailheads, parking lots, loop road, trails, campground, etc., servers and routers need to be close by in order to access wi-fi. Is wi-fi being confused with cell signal?**

9. “Wi-Fi will also enable the BLM to obtain phone data and the demographics of our visitors who come out to Red Rock Canyon. Having this data will help us make better management and conservation.”

**Needs clarification. How is this data being collected? Is collecting information from users unknowingly while on BLM wi-fi?**

10. Connectivity.

Entity Answer: “...through the enhancement and development of digital indoor and outdoor interpretative and educational programming.”

**This nomination does not have an interpretive component mentioned in the deliverables.**

11. Sustainability.

Entity Answer: “...by expanding visitor recreational access to public lands at Red Rock Canyon and would lay the groundwork to bring future modernized technology including digital self-service kiosks, electric vehicle charging stations, electric bike charging stations, mobile applications, smart maps, smart lighting, and online cameras.”

**Clarification that Electric vehicle & electric bike charging stations, mobile applications, smart maps/lighting, on-line cameras are not deliverables for this project.**

12. “This project will also support the BLM facilities at Red Rock Canyon and current and long-term projects that are existing and/or planned for Red Rock Canyon.”

**SNPLMA projects are intended for the public not Government agencies.**

13. “Additional benefits will include remote visitor outdoor access to additional and modernized telecommunications for a safe and more reliable experience.”

**Needs clarification. Laying Fiber Optics will not give remote access, access will only be in the vicinity of the router.**

14. Community.

Entity Answer: “...provide additional indoor and outdoor recreation opportunities for the public, the local recreation community, and local recreation businesses including wedding, cycling, hiking climbing, touring companies that are visiting the area...”

**Needs clarification. How does laying a Fiber Optic cable or doing a feasibility/cost analysis study provide for more cycling, hiking, climbing, etc.?**

15. Entity Answer: “The project would modernize current manual programs to new digital technology and modernize telecommunications and provide the BLM with the ability to develop mobile applications that provide access to outdoor interpretative and educational programs, wi-fi hotspots, and IP voice over telephones, and new amenities including electric vehicles and bike charging stations, along the route of the future SNPLMA Legacy Multi-use Trail project and at other recreational trailheads within the Scenic Drive, Calico Basin Fee Use Area, and other highly visited recreation areas within Red Rock Canyon.”

**Needs clarification. How does laying a Fiber Optic line or doing a feasibility/cost analysis study upgrade programs? Would new software need to be purchased? Examples would be helpful.**

**It is also unclear how Fiber Line or a study would help create mobile apps. The study (Anticipated Deliverable) may find apps, electric vehicles, etc., items feasible for the Conservation Area, they are not deliverables for this project though.**

#### **Section D – Project Deliverables-Primary:**

1. “Design, plan, and construct a Telecommunications Modernization that will service the BLM Red Rock Canyon Facilities including the Red Rock Visitor Center, Red Rock Administrative Office, Red Rock Fire Station/Law Enforcement Offices, and Campground.” “Installation will include 12,500 linear feet (ft) of trench, conduit, and pull boxes; 27,500 ft of fiber optic cable; tie into any

existing fiber optic line in the area at Summerlin and to any termination points already established near BLM facilities within Red Rock Canyon.”

- **Recommend clarifying or removing a ‘Telecommunication Modernization’, it is not a tangible measurable task.**
- **Fiber Optic line trenching of 12,500 feet is appx 2.37 miles, nomination mentions tying into any existing fiber optic line in the area at Summerlin which is appx 2 miles. This trench would be sufficient to reach the main server at the BLM Admin office.**
- **To connect other facilities, more trenching, conduit, and terminations are needed between/at the other buildings.**
- **Does BLM not know where tie-ins/terminations are located? Distance could affect cost.**

#### **Section D – Project Deliverables-Standard:**

1. Bullet #3 “Develop and implement a restoration and revegetation plan for all temporarily disturbed areas.”  
**This should be a Primary or Anticipated Deliverable. Per the IA, "Standard deliverables are those actions/activities that are generally accepted by the agency, and/or by industry standards, as necessary to complete the primary and/or anticipated deliverables."**
2. Bullet #4 “...the proposed Fiber Optic Line trench is a type of need and rare instance which would improve the BLM services and facilities and would benefit the RRCNCA and improve public health and safety for the visitors, BLM staff, and local communities.”  
**This is a statement not a task. SNPLMA projects are intended for the public not Government agencies.**
3. Bullet #10 & #11 “Construction and Installation” and “Construction and Inspection.”  
**Construction is a Primary Deliverable.**
4. Bullet #12 “End User Training”  
**Needs clarification. Who is getting trained on what? End user training is not related to the construction of laying a fiber optic line or doing a remote communication feasibility study, this would not be covered by SNPLMA funds.**

#### **Section F – Project Timeline:**

1. Year 2 “Award design for remote communications feasibility, and planning analysis.”
2. Year 2 “Review Plan, design and cost analysis of remote communications”  
**Is entity planning on the feasibility study being awarded and completed the same year?**
3. Year 4 “Inspections of Fiber Optic Line and End Training”  
**Needs clarification. Who is getting trained on what? End user training is not related to the construction of laying a fiber optic line or doing a remote communication feasibility study, this would not be covered by SNPLMA funds.**

#### **Section H – Future Operating and Maintenance:**

1. Entity Answer: “Future operations and maintenance would be included and covered in a right-of-way and fiber optic lease agreement with the local internet provider.”  
**Has BLM contacted an internet provider regarding this installation/maintenance?**

#### **Section K – Ranking Criteria:**

1. Sustainability & Modernization.

##### Criterion A.

Entity Answer: “This project will enhance the visitor’s experience through modernized communications and technology that will be available in highly visited areas within Red Rock Canyon including high-speed internet, wi-fi spots, satellite systems, and online IP voice over

telephones.” “Additionally, the visitor’s experience will be enhanced through new and creative interpretation and education through digital platforms targeting a younger and more diverse audience.”

- **Clarification Needed. The modernization study (Anticipated Deliverable) may find satellite systems, voice over IP, etc., items feasible for the Conservation Area, they are not deliverables for this project though.**
- **This nomination does not have an interpretive component mentioned in the deliverables.**

#### Criterion B.

Entity Answer: “...enable the BLM to enhance the visitor’s experience, program offerings, and expand their recreation access through with modernized technology including mobile applications, digital self-serve kiosks, digital indoor and outdoor access to interpretative and educational programs, and new amenities including electric vehicle and bike charging stations, and smart lighting would be installed at the Visitor Center, Red Rock Fee Use Area, Calico Basin Fee Use Area, Campground Area, Future Legacy Multi-use Trail and other highly visited trailheads within the Core area of Red Rock.”

**Clarification Needed. The modernization study (Anticipated Deliverable) may find these items feasible for the Conservation Area, they are not deliverables for this project though.**

#### Criterion C.

Entity Answer: “This Project will provide for the stabilization of the BLM offices network and increase the internet speed to all the BLM facilities within the core area at Red Rock Canyon.”

**Clarification Needed. SNPLMA projects are intended for the public not Government agencies.**

## 2. Connectivity.

#### Criterion A.

Entity Answer: “...by broadening access to public lands through enhanced new and creative interpretation and education through digital platforms targeting a younger and more diverse audience including mobile applications, smart maps, onsite and interactive exhibits and applications and equipment such as digital self-service kiosks, and new amenities including electric vehicle and bike charging stations, and smart lighting. This project would provide visitors the opportunity for real time downloading of georeferenced mapping information at trailheads that would display designated trail systems, ensuring visitors are able identify and stay on designated trails.”

- **Clarification Needed. There are no interpretive components in this nomination’s deliverables.**
- **The modernization study (Anticipated Deliverable) may find self-serve kiosks, electric vehicle/bike charging stations, etc., feasible for the Conservation Area, they are not deliverables for this project though.**
- **It is also unclear how the 12,500 feet of trenching and Fiber Line being pulled into/terminated at one building in the Red Rock complex will help visitors at the trail head. Is entity confusing Fiber Line with cell signal?**

#### Criterion B.

Entity Answer: “...increase internet bandwidth and speed including mobile applications, digital self-serve kiosks, digital indoor and outdoor access to interpretative and educational programs, and new amenities including electric vehicle and bike charging stations, and smart lighting would be installed at the Visitor Center, Red Rock Fee Use Area, Calico Basin Fee Use Area, Campground Area, Future Legacy Multi-use Trail and other highly visited trailheads within the Core area of Red Rock Canyon. This project would also allow for real time data collection on various platforms

such as survey 123 and Arc Field Maps for both BLM staff and Volunteers. Having reliable telecommunication technology would allow for staff and volunteers to submit field monitoring reports in real time.”

- **Clarification Needed. There are no interpretive components in this nomination’s deliverables.**
- **The modernization study (Anticipated Deliverable) may find self-serve kiosks, electric vehicle/bike charging stations, smart lighting, etc., feasible for the Conservation Area, they are not deliverables for this project though.**
- **It is also unclear how the 12,500 feet of trenching and Fiber Line being pulled into/terminated at one building in the Red Rock complex will help volunteers in the field. Is entity confusing Fiber Line with cell signal?**

Criterion C.

Entity Answer: “...provide a streamlined recreational access point within each site at Red Rock Canyon including: the future Legacy Multi-use Trail, Fast Past Lane, Ride Share, and Calico Basin Fee Use Area.”

**Clarification needed. It is unclear what the ‘streamlined recreational access points’ are. Is it referencing the modernization study (Anticipated Deliverable) possibly finding vehicle code stickers and toll lane transponders feasible? These are not deliverables for this project.**

Entity Answer: “This project will also connect to BLM facilities at Red Rock Canyon including Administrative Building, Visitor Center, Visitor Center Fee Area, Red Rock Fire Station/Law Enforcement Offices, Campground Area, Scenic Core Area, and highly visited parking lots.”  
**These answers need clarification. The 12,500 feet of trench and the Fiber Line will be pulled into/terminated at one building within Red Rock BLM complex. To connect other BLM facilities, more trenching, conduit, and terminations are needed between/at the other buildings.**

Criterion D.

Entity Answer: “... by providing the public with new, technologically advanced options for mobile applications, interactive exhibits and digital interpretative and educational programs...” “This project proposal would also enable the BLM to provide a phone application with messaging involving responsible recreation...”

**Clarification Needed. There are no interpretive components in this nomination’s deliverables.**

3. Community.

Criterion C.

Entity Answer: “This Project will improve the internet bandwidth and speed and provide access to recreational opportunities outside of the Red Rock Canyon fee site areas through expanded digital media that can provide interpretative and educational programming online or remotely.”

**Clarification Needed. The trenching and Fiber Line will be pulled into/terminated at one building within Red Rock BLM complex, it is unclear how this will provide recreational opportunities outside the area. Is entity confusing Fiber Line with cell signal?**

4. Operations & Maintenance

Criterion A.

Answer: “Following installation of the Fiber Optic Line, the operations and maintenance costs and responsibility would be transferred to the local internet provider ...”

**Question: Has BLM been in contact with a service provider regarding this project?**

Criterion C.

Entity Answer: “This Project will improve the internet bandwidth and speed and provide access to recreational opportunities outside of the Red Rock Canyon fee site areas.”

**Clarification Needed. The trenching and Fiber Line will be pulled into/terminated at one building within Red Rock BLM complex, it is unclear how this will provide recreational opportunities outside the area. Is entity confusing Fiber Line with cell signal?**

Section L – Orders and Priorities:

**1. Secretarial Orders**

**a. *SO No. 3347: Conservation Stewardship and Outdoor Recreation***

Entity Answer: “...allow the BLM to enhance the interpretative and educational information...”

**Clarification Needed. There are no interpretive components in this nomination’s deliverables.**

**b. *SO No. 3366: Increasing Recreational Opportunities on Lands and Waters Managed by the U.S. Department of the Interior***

Entity Answer: “... with modernized technology including mobile applications, digital interpretation and education on conservation, management, digital self-service kiosks, electric vehicle charging stations, electric bike charging stations, smart maps, smart lighting, and online cameras.”

**The modernization study (Anticipated Deliverable) may find self-serve kiosks, electric vehicle/bike charging stations, smart maps, etc., feasible for the Conservation Area, they are not deliverables for this project though.**

**c. *SO No. 3372: Reducing Wildfire Risks on Department of the Interior Land Through Active Management.***

Entity Answer: “This project will also enhance the communications at the BLM facilities including the Red Rock Canyon Fire Station and broaden communications with remote communications...”

- **Clarification Needed. The 12,500 feet of trench and the Fiber Line will be pulled into/terminated at one building within Red Rock BLM complex. To connect other facilities such as the Fire Station, more trenching, conduit, and terminations are needed.**
- **It is also unclear how the fiber line will provide remote communications. Is entity confusing Fiber Line with cell signal?**

**2. Department of Interior Priorities**

**a. *Strengthening the government-to-government relationship with sovereign Tribal Nations.***

Entity Answer: “... to enhance the educational and tell the story that of the historical and cultural values and resources of Red Rock Canyon with modernized educational exhibits and displays at our visitor center and trails.”

**b. *Centering equity and environmental justice.***

Entity Answer: “... by providing digital and virtual interpretative and educational programs ...”

**Clarification Needed on these two statements. There is no interpretive component mentioned in the nomination deliverables.**

## **Section M – Maps:**

1. Calico Basin Recreation Area map submitted. Unsure how this map fits into the nomination.
2. Entity did not submit the Strategic Values map(s) showing Connectivity, Community, Sustainability.

## **Performance Measures**

1. R3- Number of New Recreational Facilities / Structures Constructed or Improved. 4 facilities/structures.
2. O2 – Number of Buildings, Facilities and/or Amenities Constructed or Refurbished. 4 facilities/structures.
3. O9 – Number of GIS Databases Generated and/or Map Layers Produced. 4 Layers.  
**What are the 4 new/improved facilities/buildings/Layers these three Performance measures reference? The Nomination’s 12,500 feet of trench and the Fiber Line will be pulled into/terminated at one building within Red Rock BLM complex. To connect other facilities such as the Fire Station, more trenching, conduit, and terminations are needed.**
4. O6 - Number of New Interpretive or Education Publications/Signs/ Kiosks/Displays/etc. Produced. 80 interpretive items.  
**There is no interpretive component mentioned in the nomination deliverables.**

## **Budget - Excel Spreadsheet:**

### **Personnel Tab**

- \$183,750 for Field Manager (1750 hours).
  - \$16,380 for Assistant Field Manager (182 hours).
  - \$79,200 for NCA Manager (880 hours).
  - \$7,500 for District Manager (50 hours).
  - \$6,150 for Deputy District Manager (50 hours).
- This is a large amount of management charges; hours add up to almost as much as the Project Manager.**

### **Travel Tab**

- \$22,500 for travel. **Appx \$2,500 per trip seems high.**

### **Training Tab**

- “COR Training – COR Engineer” **has no total cost.**

### **Supplies & Materials Tab**

- \$35,000 for “Standard Office Supplies”. **This seems high for office supplies.**
- \$50,000 for Office Furniture Rental. **Who is the office furniture for? Work will be done via contract.**
- \$30,000 for “Printing Services”. **Is this the same as “Copier Costs” on the Equipment tab?**
- \$108,000 for “Temporary modular Office Usage estimate (power, telephones, etc)”. **Who is the temporary office for? Work will be done via contract.**
- \$600,000 for “Related Costs not covered elsewhere”. **Costs need to be identified.**

### **Vehicle Use**

- \$45,625 for “Vehicle for project manager”. **Is this the same as “Vehicle Utilization” on the Contracts and Agreements tab?**

### **Other Necessary Exp Tab**

- \$1,200 for “Allocation of transferred funds to the region and field”.
- \$1,920 for “Preparation of OMB reports required associated with transfer funds or required reporting for assistance agreements”.
- \$1,920 for “Financial audit support”.  
**Need clarifications on these three items: Who would these charges be for? Would these tasks be covered under the Management and Budget Analyst position charge on the Personnel tab?**
- \$2,500 for “Supervision and oversight of SNPLMA-funded staff and/or contractors (not directly billed under Tab# 1 - Personnel)”. Needs clarification: **Who would these charges be for? Personnel tab already has the Project Manager, COR, State Leads, and 5 managers.**
- \$1,500 for “Supervision and oversight of SNPLMA-funded staff and/or contractors (not directly billed under Tab# 1 - Personnel)”. **This is a duplicate description of the previous line item.**
- \$48,000 for “Miscellaneous Engineer Costs”. **Costs need to be identified. What exactly would this cover?**
- \$4,000 for “Computer”. **Needs clarifying, two new computers for who?**
- \$375,000 for “Related costs not covered elsewhere”. **Costs need to be identified.**
- \$142,000 for “Miscellaneous BLM Administrative Costs”. **Costs need to be identified.**

# **Southern Nevada Public Land Management Act Capital Improvements Round 20**

Bureau of Land Management, Southern Nevada District



## **Proposed Red Rock Canyon National Conservation Area Telecommunications Modernization Project**

Amount Requested: **\$6,112,105.54**

## A. BACKGROUND INFORMATION

Red Rock Canyon National Conservation Area (Red Rock Canyon) is one of the premier outdoor public lands in the greater Las Vegas Valley. This popular site is the Bureau of Land Management's (BLM) most visited National Conservation Area, with upwards of 3 million annual visitors. Red Rock Canyon is a popular location for public recreation and leisure due to the unique geological and ecological characteristics occurring in a natural setting that is close to a major population within close proximity to the iconic Las Vegas Strip.

The BLM operates and maintains several facilities within the core area of Red Rock Canyon, including a Visitor Center, Administrative Building, Fee Station, Campground, and Fire Station/Law Enforcement Offices. These facilities were built 15-40 years ago, and still rely on the early forms of data connectivity that were available at the time of construction (T-1 line). Presently, the outdated transmission service is creating issues for BLM staff and visitors as the internet speed and transmission of data has become slow, unreliable, and undependable. Upgrading the outdated telecommunication service are significantly important for the growing public who visit the area for its scenic values, resource values, multiple-use and recreation opportunities as well as the interpretative and educational programs that are accessible at Red Rock Canyon. In addition, the BLM has seen an increase in search and rescues, suicides, resource and habitat damage, public assistance, wildfires, threats, and other incidents within the service area and BLM anticipates this will persist as tourism and populations in the greater Las Vegas Valley increase. The current internet speed near the core area of Red Rock Canyon is primitive, and other types of communications like cellular, wi-fi, and satellite, are either sparse or non-existent and overall telecommunications needs to be modernized to ensure the communication complements and enhances the visitor experience at the most visited NCA in the BLM. Red Rock Canyon's visitation is similar to other highly visited sites within National Park Service such as: Zion, Bryce Canyon and Arches, but lacks the modernized technology of these sites and visitor experience. This project will expand the connection of the visitors to the outdoors while ensuring their health and safety and the conservation, protection, and enhancement of the significant resources and habitat within Red Rock Canyon.

This project would be a phased approach.

The first phase of the Telecommunications Modernization Project will be a Fiber Optic Line: Installation will include 12,500 linear feet (ft) of trench, conduit, and pull boxes; 27,500 ft of fiber optic cable; tie into any existing Telecommunications Modernizations at Summerlin and to any termination points already established near BLM facilities within Red Rock Canyon.

The trench and Telecommunications Modernization will provide enough space and capacity to increase megahertz (MHz) and gigabyte capacity as needed. Any additional speed increase could be acquired through an administrative action and no new disturbance or installation affecting Red Rock Canyon would be necessary. Implementation of the first phase of this project will be completed through contracts for the design, plans, and construction and for development and completion of an Environmental Assessment and Decision Record and will be based on possible BLM land use actions with a certified fiber optics utility company.

The second phase of the Telecommunications Modernization will be a feasibility, planning, design, cost analysis for future remote communications including but not limited to wi-fi hot spots, satellite systems, online IP voice over telephones or other types of remote communications, and surveillance cameras that are compatible for the area focused on highly visited areas within the Red Rock Canyon Core Area.

- Provide WIFI hotspots throughout the NCA:
  - Connecting public land users to mapping software at all the trailheads that will allow users the ability connect to Wi-Fi and download the trail maps. This will provide visitors with recreation access to various trail. Wi-Fi will also increase user safety by reducing the number of search and rescues (SARS) within Red Rock Canyon that have historically been a result of the visitors getting lost while recreating. To date, first responders responded to approximately 160 incidents annually.
  - There is no cell phone connectivity in over 75 percent of Red Rock Canyon. Wi-Fi will provide visitors with ability to call emergency call numbers. Calling from Red Rock Canyon will also allow a faster response from first responders, since the 911 system can capture GPS coordinates.
  - Wi-Fi will also connect recreational users to the reservation system to reserve campsites, amenity fees, and annual passes to enter the scenic drive and the future Calico Basin Area.
  - Wi-Fi will also allow campers to have access to the outside world while at the Red Rock Campground.
  - Wi-Fi will enable the BLM to offer various interpretation and education programs in a digital program, that will be able to hit a younger and more diverse audience.
  - Wi-Fi will also enable the BLM to obtain phone data and the demographics of our visitors who come out to Red Rock Canyon. Having this data will help us make better management and conservation decisions.
  
- Utilize internet connectivity to install remote surveillance and security cameras to increase user safety and enhance visitor's experience while they recreate outdoors at Red Rock Canyon:
  - Installation of surveillance cameras in all highly visited parking lots and other various highly visited locations in the Core Area of Red Rock Canyon to prevent car-break ins and other criminal activities. Law Enforcement division has responded to approximately 72 car break-ins in 2023. Suspects steal money, valuable and credit cards. Public users have been victimized and had to suffer financial hardship exceeding \$248,575.66 year to date.
  - Our campground hosts are using their personal internet connection to help visitors make reservations, since the BLM does not any reliable connectivity at the campground.
  - 
  - Provide voice over IP emergency phones around the Red Rock Canyon
  - Mental health-National suicide awareness signs have been installed in every parking lot within Red Rock Canyon to help members of the public who

are suffering from a mental episode. Currently first responders respond to over 20 suicides annually. There signs are installed in parking lots as a visible deterrent to help and aid members of the public to call the national suicide hotline. But there is no connectivity for the user to make those notifications.

This Proposed BLM Telecommunications Modernization Project is an allowable use that conforms with the Red Rock Canyon Resource Management Plan and Record of Decision dated May 20, 2005, and will meet the needs and benefit Red Rock Canyon and contribute to the visitor experience through expanded visitor recreation access and enhanced visitor experience through modernized telecommunications, digital applications, programming, and fixtures.

Communications Improvements is a future proposal in the Red Rock Canyon National Conservation Area, Business Plan 2018-2028 and the Calico Basin Area RAMP.

Currently Wi-Fi through a T-1 line is provided by onsite partners in limited capacity at the Visitor Center and NCA Store.

- Red Rock Canyon Visitor Center/Administrative Building/Fee Booth, 1000 Scenic Loop Drive, Las Vegas, NV 89161– 20mps
- Red Rock Canyon Fire Station/Law Enforcement Office, 2020 Moreno Rd, Las Vegas, NV 89161 – 45mps, limited satellite
- Red Rock Canyon Campground – no internet

**a. Describe Relationship to Prior Approved Projects and/or Phases Relevant to this Project (SNPLMA funded or not), and any anticipated Future Phases**

This project is relevant to the BLM’s SNPLMA Round 18 BL-55 and Round 19 BL-58 Legacy Multi-use Trail Projects, due to the possible telecommunication enhancements it could provide along the trail including digital kiosks, electric bike charging stations, wi-fi hotspots, and voice over IP emergency telephones.

**b. Acknowledgement of Stand-Alone Project and no Guarantee of Funding for Future Phases**

The BLM acknowledges that this Telecommunications Modernization is a stand-alone project and there are no guarantees of funding for future phases.

## **B. EXECUTIVE COMMITTEE’S SNPLMA STRATEGIC PLAN VALUES**

Capital Improvement projects have two goals identified in the Strategic Plan:

- Goal 1: Sustain the quality of the outdoor environment by conserving, preserving, and restoring natural and cultural resources.
- Goal 2: Improve the quality of life for all publics in urban and rural communities by enhancing recreational opportunities that connect people with the outdoor environment.

Nominated projects should meet these two goals by focusing on the three SNPLMA core values, connectivity, sustainability, and community. Every nomination must explain how the three values are promoted by the project.

- **Connectivity**

This project would meet the connectivity value by expanding the visiting public's access to the unique and nationally important geologic, archeological, ecological, cultural, scenic, scientific, wildlife, found in the Red Rock Canyon through the enhancement and development of digital indoor and outdoor interpretative and educational programming that would focus on the importance of conservation, restoration, and protection of the public lands within Red Rock Canyon National Conservation Area for the benefit and enjoyment of current and future generations.

- **Sustainability**

This project would meet the sustainability core value by expanding visitor recreational access to public lands at Red Rock Canyon and would lay the groundwork to bring future modernized technology including digital self-service kiosks, electric vehicle charging stations, electric bike charging stations, mobile applications, smart maps, smart lighting, and online cameras. This project will also support the BLM facilities at Red Rock Canyon and current and long-term projects that are existing and/or planned for Red Rock Canyon including: Administrative Building, Visitor Center, Visitor Center Fee Area, Red Rock Fire Station/Law Enforcement Offices, Calico Basin Fee Use Area, Campground Area, Scenic Core Area, parking lots and future Fast Pass Lane, Ride Share, and Future Legacy Multi-use Trail. Additional benefits will include remote visitor outdoor access to additional and modernized telecommunications for a safe and more reliable experience.

- **Community**

This project would meet the community core value and provide additional indoor and outdoor recreation opportunities for the public, the local recreation community, and local recreation businesses including wedding, cycling, hiking climbing, touring companies that are visiting the area and learning about the resources and habitat of Red Rock Canyon daily. The project would modernize current manual programs to new digital technology and modernize telecommunications and provide the BLM with the ability to develop mobile applications that provide access to outdoor interpretative and educational programs, wi-fi hotspots, and IP voice over telephones, and new amenities including electric vehicles and bike charging stations, along the route of the future SNPLMA Legacy Multi-use Trail project and at other recreational trailheads within the Scenic Drive, Calico Basin Fee Use Area, and other highly visited recreation areas within Red Rock Canyon.

## C. PURPOSE STATEMENT

The Bureau of Land Management will modernize the current telecommunications at the facilities and highly visited recreation trailhead and trails within Red Rock Canyon by constructed a new fiber optic line and designing future remote telecommunications to the Red Rock Canyon area. This project will improve connectivity, sustainability, and community by modernizing telecommunications for the BLM to enhance indoor and outdoor recreation, interpretative and educational programs through new digital technology, and ensure the safety of the public, local communities, and BLM personnel.

## **D. PROJECT DELIVERABLES**

### Primary:

- Design, plan, and construct a Telecommunications Modernization that will service the BLM Red Rock Canyon Facilities including the Red Rock Visitor Center, Red Rock Administrative Office, Red Rock Fire Station/Law Enforcement Offices, and Campground. It will include installing and constructing fiber optics for maximum capacity to provide long-term internet speed to current and future BLM facilities in Red Rock Canyon. Installation will include 12,500 linear feet (ft) of trench, conduit, and pull boxes; 27,500 ft of fiber optic cable; tie into any existing fiber optic line in the area at Summerlin and to any termination points already established near BLM facilities within Red Rock Canyon.

### Anticipated:

- The second phase of the Telecommunications Modernization will be a feasibility, planning, design, cost analysis for future remote communications including but not limited to wi-fi hot spots, satellite systems, online IP voice over telephones or other types of remote communications that are compatible for the area.

### Standard:

- Develop scope of work for the planning, design, and construction contract for Fiber Optic Line trench and remote communications focused on highly visited areas within the Red Rock Canyon Core Area.
- Fiber Optic Line and remote communications schematic developed by contractor.
- Develop and implement a restoration and revegetation plan for all temporarily disturbed areas.
- Complete National Environmental Policy Act (NEPA) compliance for the project.
  - Pursuant to BLM Manual 6220 and the Red Rock Canyon Resource Management Plan and Record of Decision dated May 20, 2005, the proposed Fiber Optic Line trench is a type of need and rare instance which would improve the BLM services and facilities and would benefit the RRCNCA and improve public health and safety for the visitors, BLM staff, and local communities.
- Conduct Public Meetings for Draft Environmental Assessment for Fiber Optic Line.
- Initiate Cultural Surveys (include Section 106, cultural compliance) for Fiber Optic Line
- Initiate Tribal Consultation
- Initiate Plant Survey for Fiber Optic Line

- Process a BLM right-of-way and/or assignment to a local utility company for the Fiber Optic Line.
- Construction and Installation
- Construction and Inspection
- End user training
- Project close out with the SNPMLA Division
  - SMART quarterly status updates
  - SMART annual and final accomplishments report
  - Preparation of the close out package

## E. PROJECT LOCATION

### Identify County in Nevada where Project will be carried out:

Clark County

### Identify Congressional District(s):

NV District 3 and NV District 4

### Latitude and Longitude:

36.1111800000 -115.4493500000

## F. PROJECT TIMEFRAME

The project timeframe in years. Include a bullet outline schedule using the major milestones and nomination deliverables.

Year 1	<p>The BLM intends to use staff resources in the Red Rock/Sloan Field Office to prepare documentation needed to complete compliance and contracting. The milestones include the following:</p> <ol style="list-style-type: none"> <li>1. Recruit and hire project manager.</li> <li>2. Prepare all Task orders and initial funding transfer of funds.</li> <li>3. Develop scopes of work for Fiber Optic Line and remote communications for contracting, Tribal Consultation, plant and cultural surveys</li> <li>4. Secure Contracts for Project</li> </ol>
Year 2	<ol style="list-style-type: none"> <li>1. Award design build contracts for Fiber Optic Line to include design, plans and construction and NEPA.</li> <li>2. Award design for remote communications feasibility, and planning analysis.</li> <li>3. Conduct NEPA Environmental Assessment and SHPO Consultation</li> <li>4. Review Plan, design and cost analysis of remote communications</li> </ol>
Year 3	<ol style="list-style-type: none"> <li>1. Construct Fiber Optic Line</li> <li>2. Monitor construction.</li> <li>3. Post construction restoration</li> </ol>
Year 4	<ol style="list-style-type: none"> <li>1. Inspections of Fiber Optic Line and End Training</li> <li>2. monitoring and inspection of restoration efforts and conduct additional restoration if deemed necessary.</li> </ol>
Year 5	Project Close Out

## **G. LEVEL OF PROJECT READINESS FOR IMPLEMENTATION**

Is this a shovel-ready project? Yes No

The BLM is prepared to work on the pre-planning and administrative work immediately and once funds are available to use including a current Project Manager and we also have several CORs and Program Officers available in the office to work on any statement of work documents.

The proposed project area is easily accessible and will not cause any delays with any necessary visits to the sites.

Have you applied, received, or is there the opportunity to obtain funding from another source for this project? Please list the additional funding opportunities received or applied for and indicate whether it is federal or nonfederal funding.

No

## **H. FUTURE OPERATING AND MAINTENANCE**

The Fiber Optic Line trenching and laying of the Fiber Optic Line would be installed by a contractor, and the Fiber Optic Line service would be provided by the local internet provider in the area. Future operations and maintenance would be included and covered in a right-of-way and fiber optic lease agreement with the local internet provider. The BLM would be responsible for the monthly utility charges and service fees and would be based on current rates and paid through the BLM National Operations Center. The BLM would be responsible for long-term patrols and monitoring and ensuring of the restoration of the resources along the Fiber Optic Line areas.

## **I. PROJECT BUDGET**

Complete the project budget using the provided Excel spreadsheet template and upload as a separate document to the "Submissions" tab in the Nomination Portal. Do not embed the project budget in this document.

Partnership and/or Contributed Funds

None

## **J. KEY CONTACTS**

Authorized Officer: Catrina Williams

Email: cwilliams@blm.gov

Phone Number: 702-515-5351

Project Manager: Tira Faiivae

Email: tfaiivae@blm.gov  
 Phone Number: 702-515-5357

Budget Officer: Phalenny Boswell, Management and Program & Analyst  
 Email: pboswell@blm.gov  
 Phone Number: 702-540-4303

## K. RANKING CRITERIA

The Ranking Criteria are used to evaluate the nomination against the goals for the Capital Improvements category. Nominating entities are not to include either the total point value or the point values by criteria in their responses. Nominations will be reviewed and scored by the Capital Improvements subgroup. Explain how the project meets each applicable criterion.

1. **SUSTAINABILITY & MODERNIZATION:** This project supports, or plans to support, conservation, preservation, restoration, or modernization of natural, cultural, or historic resources (which includes infrastructure) to ensure availability of those resources for future generations. The agency has shown the project is feasible and will remain relevant and continue to provide benefit to a recreation user over the anticipated life of the project. Clearly explain what the anticipated design life of the project is and identify what and how the natural resources will be sustained.

*A. A new project or facility, or planning for a new project or facility, including employee housing, designed specifically to engender conservation stewardship and provide new opportunities within the management area that is ecologically, economically, and socially sustainable for present and future generations and restore or preserve natural resources or cultural resources of the area. Directly supports the conservation and stewardship of natural and cultural resources.*

Answer: This project will enhance the visitor's experience through modernized communications and technology that will be available in highly visited areas within Red Rock Canyon including high-speed internet, wi-fi spots, satellite systems, and online IP voice over telephones. Additionally, the visitor's experience will be enhanced through new and creative interpretation and education through digital platforms targeting a younger and more diverse audience. Modernized telecommunication will enhance the health and safety of the visitors and will support BLM staff, Law Enforcement, and Fire Services with better and faster communications to monitor, manage, protect, the visitors and restore the resources and/or habitat that are affected in Red Rock Canyon for long-term conservation for current and future generations.

*B. Modernization or rehabilitation, or planning for the modernization or rehabilitation, of an existing project, facility and/or amenities to enhance the visitor experience, improve unit operations, and reduce or eliminate user impacts to the natural or cultural resources, or restore natural processes within the immediate project area.*

Answer: This project will provide modernized and advanced communications in Red Rock Canyon which will enable the BLM to enhance the visitor's experience, program offerings, and expand their recreation access through with modernized technology including mobile applications, digital self-serve kiosks, digital indoor and outdoor access to interpretative and educational programs, and new amenities including electric vehicle and bike charging stations, and smart lighting would be installed at the Visitor Center, Red Rock Fee Use Area, Calico Basin Fee Use Area, Campground Area, Future Legacy Multi-use Trail and other highly visited trailheads within the Core area of Red Rock Canyon.

*C. Planning of, or conservation and stabilization, restoration, or rehabilitation of, significant historic buildings, cultural sites, and other significant historic facilities for the present and future generations to enjoy and appreciate the areas cultural heritage.*

Answer: This Project will provide for the stabilization of the BLM offices network and increase the internet speed to all the BLM facilities within the core area at Red Rock Canyon. The current lines were installed during different periods of times and are older internet lines. The lines consist of T-1 lines at the Visitor Center, limited copper lines at the Red Rock Administrative and Fire Station/Law Enforcement Offices. Copper lines are more susceptible to various environmental factors including temperature and electromagnetic fluctuations. This project would lay the groundwork for future upgrades such as bringing digital platforms to the interpretation and educational programs that focus on cultural programming and conservation of the habitat and resources at Red Rock Canyon.

*D. New facilities, or planning for a new facility, that enhances or improves management of public lands. These might include visitor centers, contact stations, and campgrounds to improve public access; housing for staff, interns, and volunteers to carry out programs for improved conservation, education; and curation facilities and workspace to improve conservation of natural and cultural resources and opportunity for educational programming.*

Answer: This project will provide modernized and advanced communications in Red Rock Canyon which will enable the BLM to enhance the visitor's experience and expand their recreation access at the Visitor Center, Red Rock Fee Use Area, Calico Basin Fee Use Area, Campground Area, Future Legacy Multi-use Trail and other highly visited trailheads within the Core area of Red Rock Canyon with the use of modernized technology including mobile applications, digital self-serve kiosks, digital indoor and outdoor access to interpretative and educational programs, and new amenities including electric vehicle and bike charging stations, and smart lighting.

**2. CONNECTIVITY:** The project provides, or plans to provide, recreational opportunities

that link population centers, recreation facilities, and the user to the outdoors and natural landscapes. It encourages people to meaningfully connect with their natural environment, thus helping them appreciate and care for the environment. The project will also connect the user to the history and/or cultural of the site and engages the user in appreciation of the site/area.

- A. *Provides, or plans to provide, new, upgraded, or modernized feasible access and/or amenities or infrastructure to previously under-served areas and/or new opportunities to enjoy/appreciate public lands (e.g., trails, kiosks with location maps and site information, roads, parking, wayfinding, restrooms, day use or overnight camping).*

Answer: This project will connect communities and local visitors by broadening access to public lands through enhanced new and creative interpretation and education through digital platforms targeting a younger and more diverse audience including mobile applications, smart maps, onsite and interactive exhibits and applications and equipment such as digital self-service kiosks, and new amenities including electric vehicle and bike charging stations, and smart lighting.

This project would provide visitors the opportunity for real time downloading of georeferenced mapping information at trailheads that would display designated trail systems, ensuring visitors are able identify and stay on designated trails. This will assist the BLM by providing onsite mapping to reduce the likelihood of social trail proliferation, spread of invasive weeds, soil compaction, and other environmental degradation.

The BLM is currently undergoing planning efforts to update the interpretive displays at the Visitor Center. There are many new technologies that allow for interpretation in various media platforms. The current telecommunication equipment doesn't support some of the software associated with these platforms, this project would allow us to pursue new media platforms that could potentially support RRC in programming for audiences with visual or hearing impairments.

- B. *Improves, or plans to improve, access to previously developed recreation areas and sites on public lands and/or rehabilitates, upgrades, or modernizes site amenities (e.g., improves access to trails, area or site information and wayfinding, converts high clearance access roads to passenger vehicle accessible roads, and/or improves parking).*

Answer: This project will improve and modernize infrastructure and communications to increase internet bandwidth and speed including mobile applications, digital self-serve kiosks, digital indoor and outdoor access to interpretative and educational programs, and new amenities including electric vehicle and bike charging stations, and smart lighting would be installed at the Visitor Center, Red Rock Fee Use Area, Calico Basin Fee Use

Area, Campground Area, Future Legacy Multi-use Trail and other highly visited trailheads within the Core area of Red Rock Canyon.

This project would also allow for real time data collection on various platforms such as survey 123 and Arc Field Maps for both BLM staff and Volunteers. Currently, Red Rock Canyon staff and volunteers utilize iPad to gather data while field monitoring, these devices are not able to sync in the field in real time and must be connected to Wi-Fi. Having reliable telecommunication technology would allow for staff and volunteers to submit field monitoring reports in real time.

- C. *Provides, or plans to provide, new or additional recreation opportunities by connecting two or more existing recreational facilities/areas or cultural sites, and increased access to primitive or developed outdoor recreation and educational opportunities to meet increased user demand.*

Answer: This Project will provide enhance recreation opportunities for visitors with the many connections existing and planned recreational projects and sites to enhance the visitor's experience and provide a streamlined recreational access point within each site at Red Rock Canyon including: the future Legacy Multi-use Trail, Fast Past Lane, Ride Share, and Calico Basin Fee Use Area.

This project will also connect to BLM facilities at Red Rock Canyon including: Administrative Building, Visitor Center, Visitor Center Fee Area, Red Rock Fire Station/Law Enforcement Offices, Campground Area, Scenic Core Area, and highly visited parking lots.

This project will also serve local communities and the visiting public by providing reliable connectivity to emergency services offered by local Law Enforcement, Fire Districts, and the Las Vegas Metro Police Department's search and rescue. This project will improve and benefit the health and safety of the public, community, and staff at Red Rock Canyon.

- D. *Contains an outreach and education or stewardship component to improve public awareness and engage the public in the conservation and protection of the surrounding natural environment through the use of resource interpretation (e.g., information signage, kiosks, on-site docent accommodations, educational programs, restoration, revegetation, invasive species removal, cultural site protection).*

This project would improve and modernize infrastructure to increase internet bandwidth and speed at Red Rock Canyon. This modernization will enable the BLM and its Conservation partners to improve the visitor experience by providing the public with new, technologically advanced options for mobile applications, interactive exhibits and digital interpretative and educational programs on the natural resources and public lands of the Red Rock Canyon National Conservation Area.

This project would improve citizens science projects which are difficult to administer since many of the platforms would need to be downloaded off-site prior to arriving to Red Rock Canyon, with programs such as *I-Naturalist*. This proposal would allow for streamlined administration of citizens science projects though having the telecommunication requirements to download applications and submit data onsite, instead of having to arrive with applications downloaded and submit data off site.

This project proposal would also enable the BLM to provide a phone application with messaging involving responsible recreation and the “Leave No Trace” principles, which would provide education for the public on conservation, resources, and cultural site protection outside of the Visitor Center reaching a much larger portion of the overall visitors at Red Rock Canyon. There are many visitors who do not stop by the Visitor Center recreating on the scenic loop, which is currently the hub for interpretive and educational messaging.

3. **COMMUNITY:** This project provides, or plans to provide, or improves outdoor recreation opportunities to improve the quality of life, especially for underserved communities. It conserves or restores, or plans to conserve or restore, the functionality, resiliency, and integrity of biological communities, and/or addresses affordable employee housing. The project encourages partnerships, which in turn builds community.  
*(Encourages and engages the public in the conservation and protection of the surrounding natural environment through use of volunteer/stewardship resources)*
- A. *Outdoor recreation projects that provide, or plans to provide, economic benefits to local communities and social benefit to the recreationist and are responsive to changing demographics. The project has demonstrated feasibility and has agreements or partnerships in place for the planning, design, implementation, and/or management of the project.*

Answer: This Project will improve and modernize infrastructure to increase internet bandwidth and speed at the Core Area at Red Rock Canyon. This would also broaden access to mobile applications and digital media for current and future recreational projects planned for Red Rock Canyon, including the and ancillary parking lots, which could incorporate modern technology like wi-fi hotspots. Our partnership agreements with Southern Nevada Conservancy and Friends of Red Rock Canyon will allow for the economical and volunteer support to accomplish the indirect interpretative and educational component for broad and future public engagement.

- B. *Project has identified committed non-SNPLMA sources of funding or in-kind contribution for the planning, design, and development of the project.*

Answer: No in-kind contributions have been identified

- C. *Project provides agency or unit support/administrative infrastructure in underserved areas to improve management of, conservation stewardship, educational programming, and access to, public lands.*

Answer: This Project will improve the internet bandwidth and speed and provide access to recreational opportunities outside of the Red Rock Canyon fee site areas through expanded digital media that can provide interpretative and educational programming online or remotely.

- D. *Supports, or plans to support, community through affordable employee housing to promote economic development, enhance the quality of life, and improve the productivity and management of public lands.*

Answer: This project will analyze future remote communications and areas that may be feasible for future affordable employee housing.

4. **OPERATIONS AND MAINTENANCE:** The agency has clearly demonstrated that the anticipated operations and maintenance costs for the project and resources necessary to operate the project are within existing appropriations or demonstrated how they will secure the necessary operations and maintenance funds. *(Agency has detailed the estimated annual O&M costs, estimated use, and permit fees to be collected, if applicable.)*

- A. *The agency has demonstrated that the project is feasible and current appropriations are sufficient for the operations and management of the new project or that O&M costs will be reduced after reconstruction and will be offset by concessionaire or volunteer labor for O&M.*

Answer: Following installation of the Fiber Optic Line, the operations and maintenance costs and responsibility would be transferred to the local internet provider in the area, through a future right-of-way grant and/or assignment or a fiber optic lease agreement. The BLM would also enter into a utility agreement and would pay monthly usage and service fees for the line.

- B. *Volunteers or partners will be responsible for operation and maintenance of the project and agency funds will not be needed.*

Answer: No volunteer or partners will contribute to the O&M of the project.

- C. *The agency has included the current O&M costs, if any, and how this project will reduce current operations and maintenance costs. The entity has clearly shown what the anticipated savings will be, and/or how the project will reduce water use or energy costs for utilities or other O&M costs.*

Answer: This Project will improve the internet bandwidth and speed and provide access to recreational opportunities outside of the Red Rock Canyon fee site areas.

D. *Project would improve, or plans to improve, energy efficiency and/or independence.*

Answer: This Project would improve energy efficiency because signals in optical fibers degrade less. Also, lower-power transmitters can be used instead of the high-voltage electrical transmitters needed for copper wires.

This project would help the operation and maintenance at Red Rock Canyon. Many of the systems that make the facilities LEED certified rely on updated technology, which current telecommunications technology doesn't assist with. During FY 23 the septic system at the visitors center had 4 out of 6 pumps burn out. This repair was avoidable; however, the energy efficient septic system was not able to communicate with itself because of the data needs of the system. When we did get maintenance and a contractor out to review the project, we had to utilize four cellphones to run a hotspot chain.

5. **LIFECYCLE REPLACEMENT/RECONSTRUCTION AND DEFERRED**

**MAINTENANCE:** Any existing project or facility that has met or exceeded its useful life, design life, or life cycle that requires major restoration or reconstruction, or plans for major restoration or reconstruction, to restore the historic fabric of the facility or meet standard new Federal accessibility guidelines. *(Does not include reconstruction, changes, or new amenities for previously approved SNPLMA capital improvement projects. Excludes projects that were identified as phased construction, each phase must be fully operational and serve the intended purpose upon completion.)*

A. *The project remains relevant, but has exceeded its useful design life, does not meet current federal accessibility standards, or deferred maintenance costs exceed the cost of replacement or reconstruction.*

Answer: This is a new project and therefore this question is not applicable.

B. *Current use has exceeded the original planned visitation/use and impacts have created a need to replace or reconstruct, or plans to replace or reconstruct, the facility earlier than originally intended and increased deferred maintenance costs exceed the cost of replacement or reconstruction. The project proposal shows the current annual maintenance costs and the anticipated savings after construction/reconstruction is complete.*

Answer: This is a new project and therefore this question is not applicable.

## L. ORDERS AND PRIORITIES

Respond to the Executive Orders, Secretarial Orders, Department of the Interior Priorities, and USDA Forest Service Priorities as they apply to the purpose of the nomination.

1. Executive Orders (EO):

0. ***EO No. 14005: Ensuring the Future is Made in All of America by All of America's Workers***

Answer: Any contracts that go out for bid, will align with the appropriate Executive Orders.

This Project would support America's workforce by providing long-term work and pay for the duration of the 5-year project and provide in-direct support and economic benefits to the nearby business and communities in the area.

2. Secretarial Orders

1. ***SO No. 3347: Conservation Stewardship and Outdoor Recreation.***

Answer: The BLM manages Red Rock Canyon with the primary mission to conserve, protect, and enhance for the benefit and enjoyment of present and future generations and the unique and nationally important geologic, archaeological, ecological, cultural, scenic, scientific, wildlife, riparian, wilderness, endangered species, and recreation resources of the public lands within the RRCNCA. As a secondary mission the BLM focuses on providing opportunities and access to the outdoor and recreational uses for the 4 million people that come out to visit the Red Rock Canyon. This includes protecting its natural and cultural resources and for providing sustainable access that supports a diversity of recreational uses, experiences, and settings for the benefit of current and future generations. The Project will expand the internet bandwidth and speed and allow the BLM to enhance the interpretative and educational information on the natural and significant resources and critical habitat within Red Rock Canyon and provide digital access and modernized programs and products.

2. ***SO No. 3356: Hunting, Fishing, Recreational Shooting, and Wildlife Conservation Opportunities and Coordination with States, Tribes and Territories.***

The Project will continue to ensure all efforts in this project are centered around expanding and enhancing digital access to outdoor recreation opportunities for everyone and improves the management of game species and their habitats for this generation and beyond within Red Rock Canyon

3. ***SO No. 3366: Increasing Recreational Opportunities on Lands and Waters Managed by the U.S. Department of the Interior***

Answer: This Project will enhance and expand recreational opportunities and access to the public lands with modernized technology including mobile applications, digital interpretation and education on conservation, management, digital self-service kiosks, electric vehicle charging stations, electric bike charging stations, smart maps, smart lighting, and online cameras.

**4. *SO No. 3372: Reducing Wildfire Risks on Department of the Interior Land Through Active Management.***

Answer: This Project will provide a modernized infrastructure that will severely reduce the risk of electrical fires in comparison to copper cables. This project will also enhance the communications at the BLM facilities including the Red Rock Canyon Fire Station and broaden communications with remote communications and improve communication services and safety messaging that protect could inform and help the public during a wildfire incident.

**5. *SO No. 3376: Increasing Recreational Opportunities through the use of Electric Bikes.***

Answer: The BLM is currently designing the SNPLMA Round 18 BL-55 and Round 19 BL-58 Legacy Multi-Use Trail which will include a trail for electric bike use. This proposed project will also modernize the communications to allow the BLM to enhance amenities at the trail including e-bike charging stations, smart lighting, and digital kiosks.

**3. Department of the Interior Priorities:**

***Strengthening the government-to-government relationship with sovereign Tribal Nations. We understand that tribal sovereignty and self-governance, as well as honoring the federal trust responsibility to Tribal Nations, must be the cornerstones of federal Indian policy.***

Answer: This Project would Strengthen the government-to-government relationship with sovereign Tribal nations. The BLM would work closely and collaborate with the local tribes to enhance the educational and tell the story that of the historical and cultural values and resources of Red Rock Canyon with modernized educational exhibits and displays at our visitor center and trails.

- ***Making investments to support the Administration's goal of creating millions of family-supporting and union jobs. This includes establishing a new Climate Conservation Corps Initiative to put a new generation of Americans to work conserving and restoring public lands and waters, increasing reforestation, increasing carbon sequestration in the agricultural sector, protecting biodiversity, improving access to recreation, and addressing the changing climate.***

Answer: The Project will improve and modernize infrastructure internet

bandwidth and speed to Red Rock Canyon. The Telecommunications Modernization conserve less energy than the existing copper T-1 communication line and would broaden public access through digital programming and would support the Administration's goal of creating millions of family-supporting jobs and union jobs through the development of this project. Economic empowerment of families will also be increased through greater employment opportunities and improved access to telecommunications and related social and economic services.

- ***Working to conserve at least 30% each of our lands and waters by the year 2030.*** *We will work to protect biodiversity, slow extinction rates, and help leverage natural climate solutions by conserving 30% of America's lands and waters by 2030. This relies on support for local, state, private, and tribally led conservation and restoration efforts that are underway across America.*

Answer: The Project is a clean energy solution project and will the current BLM communication systems within Red Rock Canyon. The project will also provide opportunities for the BLM to upgrade current facilities and infrastructure throughout the area that focus on conservation and environmental protection that allow for the future protection of the natural significant resources, environment, and wildlife habitat for the use and enjoyment by the public of the public lands for future generations.

- ***Centering equity and environmental justice.*** *The impacts of the multiple crises in the United States are not evenly distributed in our society. Communities of color, low-income families, and rural and indigenous communities have long suffered disproportionate and cumulative harm from air pollution, water pollution, and toxic sites. At every step of the way, Interior will engage diverse stakeholders across the country, as well as conduct formal consultation with Tribes in recognition of the U.S. government's trust responsibilities.*

Answer: This Project will focus on centering equity and environmental justice by providing digital and virtual interpretative and educational programs that will be able to expand outreach to underserved communities to areas outside of the fee site area that focus on conservation, protection, and recreation activities that are present in Red Rock Canyon. In addition, the BLM will continue to engage and collaborate with tribes to ensure their stories and native American history is present and provided to the public through digital access and modernized technology and interpretative and educational products within Red Rock Canyon.

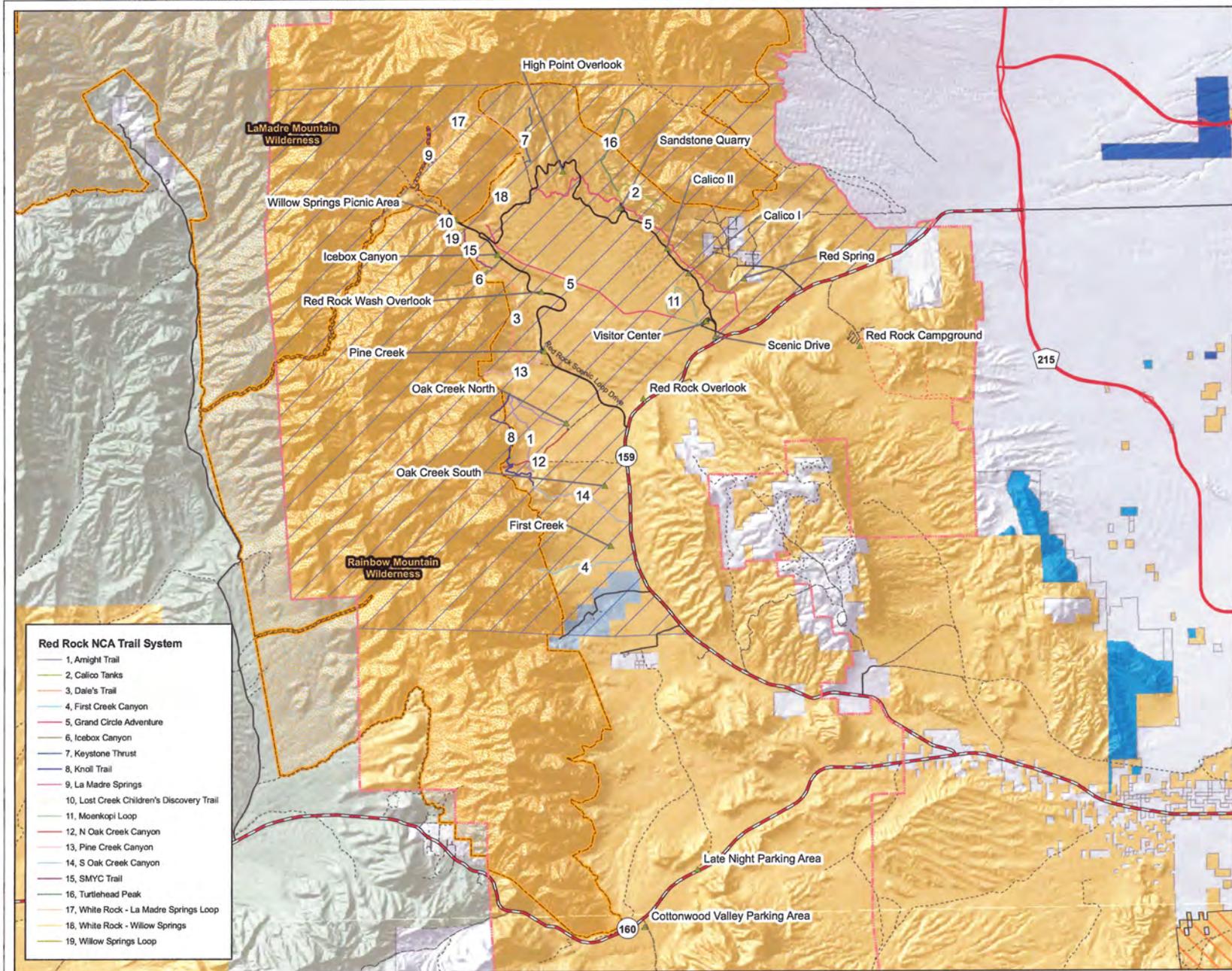
**M. MAPS**

Maximum of six maps, labeled with a description. Maps must include a scale, title, the author, north arrow, date and time or preparation, and a legend. Insert here and upload maps as JPEG in the Nomination Portal.

**N. PHOTOS**

Maximum of six photos, up to 20mg each or less. Provide descriptions. Insert here and upload photos as JPEG in the Nomination Portal.

# Red Rock Canyon NCA Core Area



- Red Rock NCA Trail System**
- 1, Arnrigh Trail
  - 2, Calico Tanks
  - 3, Dale's Trail
  - 4, First Creek Canyon
  - 5, Grand Circle Adventure
  - 6, Icebox Canyon
  - 7, Keystone Thrust
  - 8, Knoll Trail
  - 9, La Madre Springs
  - 10, Lost Creek Children's Discovery Trail
  - 11, Moenkopi Loop
  - 12, N Oak Creek Canyon
  - 13, Pine Creek Canyon
  - 14, S Oak Creek Canyon
  - 15, SMYC Trail
  - 16, Turtlehead Peak
  - 17, White Rock - La Madre Springs Loop
  - 18, White Rock - Willow Springs
  - 19, Willow Springs Loop

**Legend**

- National Conservation Area
- Red Rock NCA Core Area
- Designated Wilderness Area

**Land Status**

- Bureau of Indian Affairs
- Bureau of Land Management
- Bureau of Reclamation
- City of Las Vegas
- Clark County, Nevada
- Department of Defense
- Department of Energy
- Fish and Wildlife Service
- Forest Service
- National Park Service
- Nevada State
- Private



No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed through digital means and may be updated without notification.



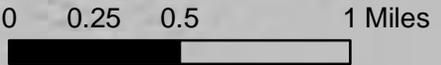
# Calico Basin Recreation Area Planning Area Map

**Legend**

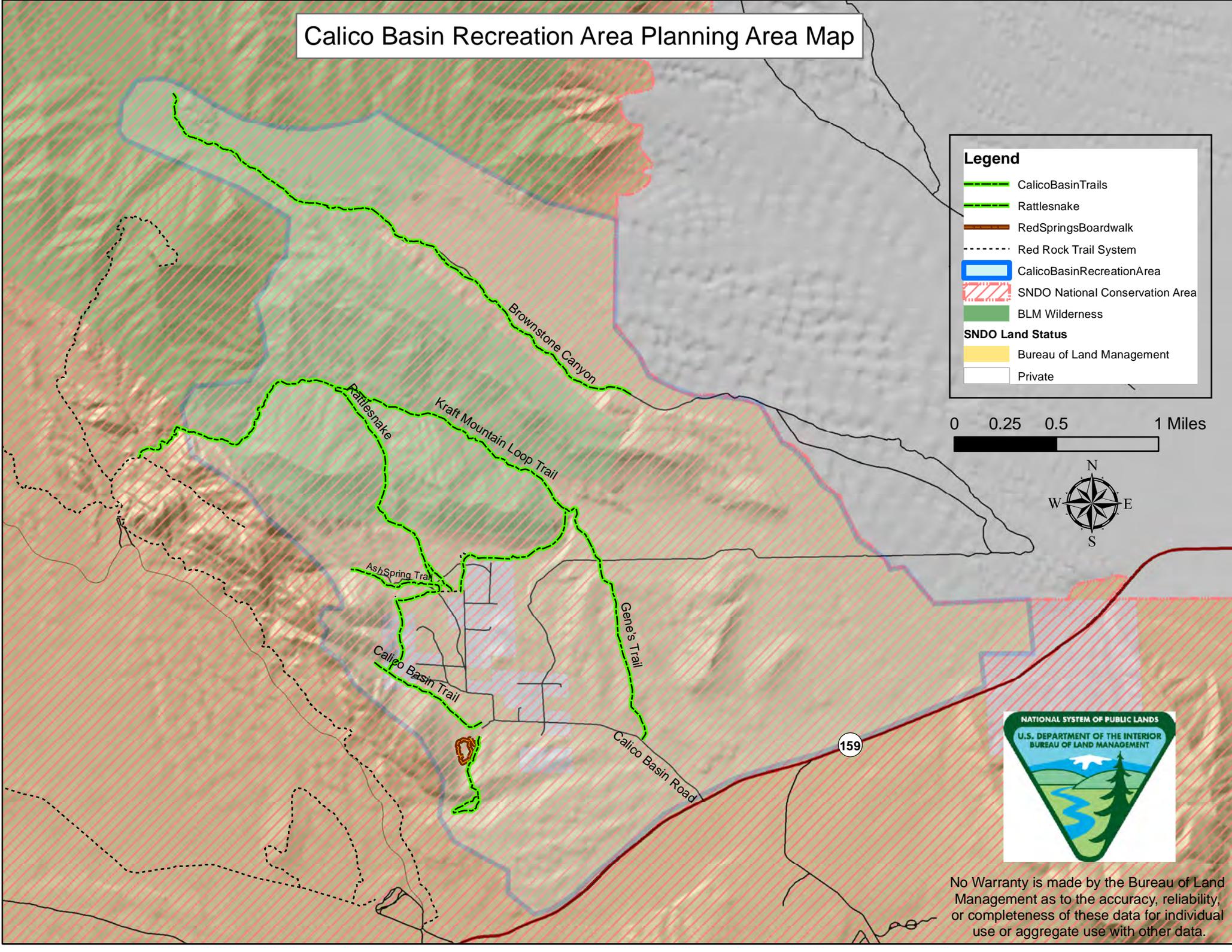
- CalicoBasinTrails
- Rattlesnake
- RedSpringsBoardwalk
- Red Rock Trail System
- CalicoBasinRecreationArea
- SNDO National Conservation Area
- BLM Wilderness

**SNDO Land Status**

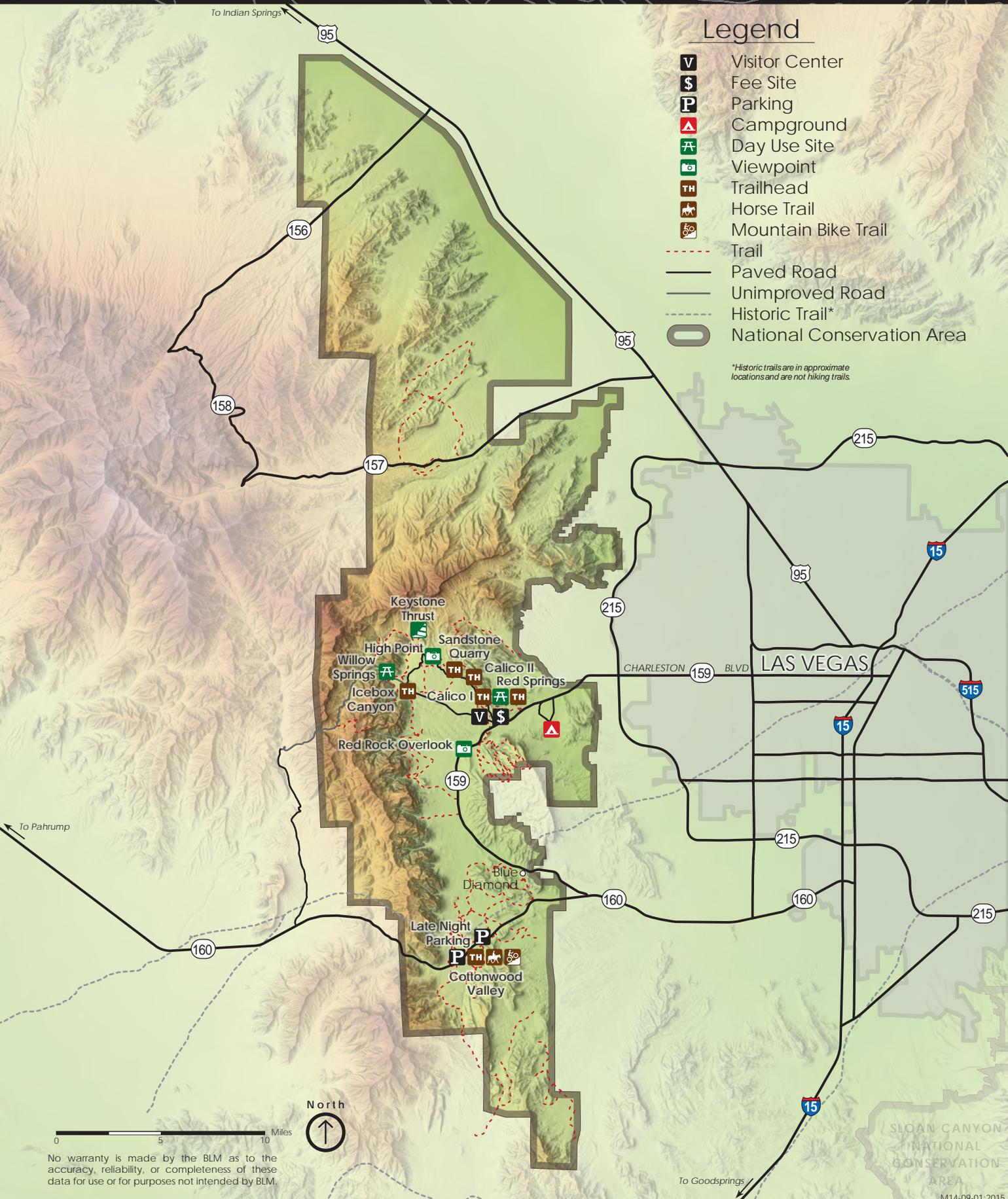
- Bureau of Land Management
- Private



No Warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual use or aggregate use with other data.



# Red Rock Canyon National Conservation Area



## Legend

- V** Visitor Center
- \$** Fee Site
- P** Parking
- A** Campground
- F** Day Use Site
- G** Viewpoint
- TH** Trailhead
- H** Horse Trail
- B** Mountain Bike Trail
- Trail
- Paved Road
- - - Unimproved Road
- - - Historic Trail\*
- O** National Conservation Area

\*Historic trails are in approximate locations and are not hiking trails.

No warranty is made by the BLM as to the accuracy, reliability, or completeness of these data for use or for purposes not intended by BLM.

# Red Rock Canyon National Conservation Area Proposed Telecommunications Modernization Project Photos

**Planned BLM SNPLMA Round 18 BL-55 and Round 19 BL-58 Legacy Multi-Use Trail  
Within Core Area of Red Rock Canyon**



**Planned BLM Fee Station Ride Share and Fast Pass Lane Project at Core Area within Red Rock Canyon**



# Red Rock Canyon National Conservation Area Proposed Telecommunications Modernization Project Photos

**Flood Incident on Scenic Drive within Core Area of Red Rock Canyon**

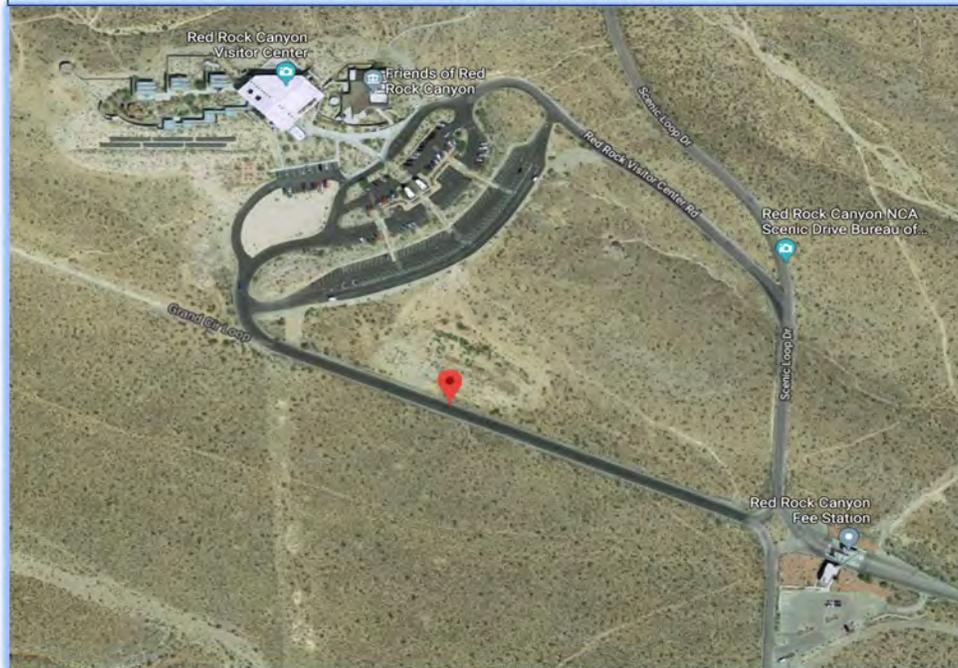


**BLM Law Enforcement Night Rescue of Visitors within Core Area**



# Red Rock Canyon National Conservation Area Proposed Telecommunications Modernization Project Photos

**BLM RED ROCK CANYON FEE STATION/ADMIN/VISITOR CENTER within Core Area of Red Rock Canyon**



**BLM RED ROCK FIRE STATION/LAW ENFORCEMENT OFFICES within Core Area of Red Rock Canyon**



**SNPLMA ROUND 19 NOMINATION  
Capital Improvements**

**Performance Measures**

<b>SNPLMA FY2020-FY2024 STRATEGIC PLAN GOAL 1: Sustain the Quality of the Outdoor Environment by Conserving, Preserving, and Restoring Natural and Cultural Resources</b>		
<b>Performance Measures for Habitat Enhancement</b>	<b>Definition of Performance Measure</b>	<b>Quantity</b>
H2 - Miles of Riparian Stream or Shoreline Habitat Treated, Enhanced, or Restored	Report the number of miles of riparian stream and/or shoreline vegetation and/or wildlife habitat treated, enhanced, or restored. This can include retreatment and/or maintenance treatments only if the initial treatment was not funded through SNPLMA and the miles have not been accounted for in the performance measures for another SNPLMA project. Include acres treated by fire for resource benefits, but not other types of wildland fire. Do not report treatments targeting invasive vegetation, as those should be reported under the H9 performance measure. Do not report hazardous fuels reduction projects, as those should be reported under either the F1 or F2 performance measures. Report to the nearest whole mile.	0
H3 - Miles of Riparian Stream or Shoreline Habitat Surveyed, Inventoried, or Monitored	Report the number of miles of riparian stream and/or shoreline vegetation and/or wildlife habitat surveyed, inventoried, or monitored. Report to the nearest whole mile.	0
H4 - Acres of Upland Habitat Treated, Enhanced, or Restored	Report the number of acres of upland vegetation and/or wildlife habitat treated, enhanced, or restored. This can include retreatment and/or maintenance treatments only if the initial treatment was not funded through SNPLMA and the acres have not been accounted for in the performance measures for another SNPLMA project. Include acres treated by fire rehabilitation projects or by fire for resource benefits, but not other types of wildland fire. Do not report treatments targeting invasive vegetation, as these should be reported under the H9 performance measure. Do not report hazardous fuels reduction projects, as these should be reported under either the F1 or F2 performance measures. Report to the nearest whole acre.	0
H5 - Acres of Upland Habitat Surveyed, Inventoried, or Monitored	Report the number of acres of upland vegetation and/or wildlife habitat surveyed, inventoried, or monitored. Report to the nearest whole acre.	0
H6 - Acres of Wetland / Riparian Habitat Treated, Enhanced, or Restored	Report the number of acres of wetland vegetation and/or wildlife habitat treated, enhanced, or restored. This can include retreatment and/or maintenance treatments only if the initial treatment was not funded through SNPLMA and the acres have not been accounted for in the performance measures for another SNPLMA project. Include acres treated by fire rehabilitation projects or by fire for resource benefits, but not other types of wildland fire. Do not report treatments targeting invasive vegetation, as these should be reported under the H9 performance measure. Do not report hazardous fuels reduction projects, as these should be reported under either the F1 or F2 performance measures. Report to the nearest whole acre.	0
H7 - Acres of Wetland / Riparian Habitat Surveyed, Inventoried, or Monitored	Report the number of acres of wetland vegetation and/or wildlife habitats inventoried or monitored. Report to the nearest whole acre.	0

H8 - Number of Water Developments Constructed or Improved for Wildlife	Report the number of water developments for use by wildlife constructed or improved/repared within all habitat types. Existing projects may be counted under this performance measure if functional improvements/repairs are made as defined in the project nomination. Report each development constructed or improved as one unit (e.g., one project may have three water developments).	0
H9 - Acres of Invasive Plant Species Treated or Restored	Report the number of acres of weed infestation treated with chemical, mechanical, physical, or biological control agents for the purpose of weed control. Include acres treated by fire when fire is used as a physical control agent for weed control rather than as a hazardous fuels treatment. Each acre treated is counted only once during the life of the project, no matter how many re-treatments occurred during the project. Report to the nearest whole acre.	0
H10 - Acres of Invasive Plant Species Surveyed, Inventoried, or Monitored	Report the number of acres of weed infestation inventoried or monitored. Include monitoring of weed treatment projects reported under performance measure H9. Report to the nearest whole acre.	0
H14 - Number of Threatened and Endangered Species Recovery Actions Implemented	Report the number of individual recovery actions performed for threatened or endangered species recovery as identified in recovery plans, conservation management plans, or land use planning documents. Include surveys, inventories, and monitoring as recovery actions. Note: One distinct action repeated 5 times over the course of the project would report as 1 action, not 5. The same recovery action conducted at distinct sites can be counted once for each site (this does not apply to individual plots within one single project site). The number of acres over which the actions were taken are reported under either H4 or H6. Report each action as one unit.	0
H15- Number of Conservation Actions Implemented for Non-Listed Species	Report the number of individual conservation actions for species not listed under the Endangered Species Act. Note: One distinct action repeated 5 times over the course of the project would report as 1 action, not 5. The same conservation action conducted at distinct sites can be counted once for each site (this does not apply to individual plots within one single project site).The number of acres over which the actions were taken are reported under either H4 or H6. Report each action as one unit.	0
H16 - Miles of Roads or Trails Decommissioned and/or rehabilitated	Report the number of miles of roads and/or trails decommissioned and/or rehabilitated within all habitats (urban, upland, riparian, stream, trails in caves, etc.). Closure may include designation, signing, blockage by physical means, obliteration, etc. Report to the nearest whole mile.	0
H17 – Miles of Roads or Trails Surveyed, Inventoried, or Monitored	Report the number of miles of roads and/or trails inventoried or monitored. Report to the nearest whole mile or linear foot. Report to the nearest whole mile.	0
<b>Performance Measures for Cultural / Paleontological Resources</b>	<b>Definition of Performance Measures</b>	<b>Quantity</b>
C1 - Number of Cultural or Historic Sites or Structures Stabilized or Protected	Report the number (one unit for each site or each structure) where work is completed to protect, stabilize, restore, excavate, and/or manage cultural features. For sites receiving multiple treatments, count each site only once, but if multiple structures are on a site, count each structure separately. For example an archeological dig site would be counted as one although multiple excavations may take place on the site, whereas a site having remnants of three separate dwellings would be counted as three. Report installation of interpretive signs and structures (e.g., kiosk displays) under O6. Report administrative actions such as mineral withdrawals, closures, or special designations under H1. Report each site or structure as one unit.	0

C2 - Number of Cultural or Paleontological Artifacts Protected	Report the number of cultural and/or paleontological artifacts protected, stabilized, or catalogued. Report one unit for each repatriation or transfer of custody of Native American human remains, funerary objects, sacred objects, and/or objects of cultural patrimony (cultural items) held in collections, pursuant to Title 43 CFR Part 10.10.; each instance in which all requirements of Title 43 CFR Part 10.10 have been met but where actual repatriation has not been completed because of decisions made by lineal descendants or Indian tribes or lack of a valid claim; and reburial of repatriated cultural items on BLM public lands. Report the number of accessions cataloged, inventoried, rehoused and/or otherwise upgraded. Materials from several sites or localities that are accessioned and cataloged under a single accession number should be considered one unit. An accession for which any one or more of the tasks of cataloging, inventorying or upgrading has been completed should be reported as one unit. Report each artifact as one unit.	0
C3 - Acres of Cultural / Paleontological Resources Surveyed, Inventoried or Monitored	Report the number of acres of land surveyed, inventoried, or monitored for cultural and/or paleontological resources. Include acres surveyed using Class I study of existing information inventory, Class II probabilistic field survey, or Class III intensive field survey and resultant inventory as required by Section 14 of the Archaeological Resources Protection Act (ARPA) or Section 110 of the National Historic Preservation Act (NHPA). Report to the nearest whole acre.	0

<b>SNPLMA FY2020-FY2024 STRATEGIC PLAN GOAL 2:            Improve the Quality of Life for all Publics in Urban and Rural Communities by Enhancing Recreational Opportunities that Connect People with the Outdoor Environment</b>		
<b>Performance Measures for Recreation Management</b>	<b>Definition of Performance Measures</b>	<b>Quantity</b>
R3- Number of New Recreational Facilities / Structures Constructed or Improved	Report the number of new recreational buildings, structures, park amenities, or similar facilities constructed or improved. Existing recreational facilities may be counted under this performance measure if functional improvements are made as defined in the project nomination. Include shade shelters, picnic areas, playgrounds, arenas, amphitheaters, pedestrian bridges, etc. Do not report acres of land acquired for new parks or natural areas as this should be reported under performance measure R5 or R6. Report each facility or structure as one unit.	4
R4- Miles of New Recreational Roads / Trails Constructed or Routes Improved	Report the number of miles of new recreational roads and/or trails constructed or improved. Restoration of existing roads and/or trails may be counted under this performance measure if functional improvements are made as defined in the project nomination. Report to the nearest whole mile.	0

<b>SNPLMA FY2020-FY2024 STRATEGIC PLAN:            Other Performance Measures that Also Support the Three Values for SNPLMA Implementation            of Sustainability, Connectivity, and Community</b>		
<b>Other Performance            Measures</b>	<b>Definition of Performance Measures</b>	<b>Quantity</b>
O1 - Number of Hazardous Sites Remediated	Report the number of hazardous sites where remediation actions are completed. Actions to be included are: removal of safety hazards, clean-up operations, restoration actions, and water quality remediation actions. Do not report temporary remediation measures. Report each site as one unit. When applicable, also report total weight of trash removed during clean-up operations.	0
O2 – Number of Buildings, Facilities and/or Amenities Constructed or Refurbished	Report the number of buildings, facilities, or amenities constructed or refurbished to improve access, functionality and/or health and safety for employees and the public, or to facilitate the integrity of resource values. Include cross walks, park/trail lighting, fencing, barriers, retaining walls, weirs, signing, security cameras, etc. Report each building, facility or amenity as one unit.	4
O6 - Number of New Interpretive or Education Publications/Signs/ Kiosks/Displays/etc. Produced	Report the number of new interpretive or education publications produced, signs produced and installed, public informational websites or other electronic media presentations designed and implemented, and informational or interpretive kiosk displays produced and installed. Report each item produced as one unit.	80
O8 – Buildings or Facilities that Support Green Sustainable Design and Construction	Report the percent reduction in the carbon footprint accomplished through green design, water conservation, energy independence, etc. Report the Leed certification level (silver, gold, platinum), if applicable. Report each building or facility as one unit.	1
O9 – Number of GIS Databases Generated and/or Map Layers Produced	Report the number of GIS databases created and/or the number of map layers produced to identify the location of natural resources within the environment and provide mapping for use in educational programs. Report each database or map layer as one unit.	4
O10 – Number of Volunteers Used	Report the number of volunteers used in educational or interpretive programs and for surveying, monitoring, or restoration activities. Report each volunteer as one unit.	100
O11 – Number of Databases, Reports, and Other Electronic Means of Documenting Activities	Report the number of new databases, electronic reporting tools, mathematical/statistical models, websites, or reports developed and implemented to document project and/or program work. Report each electronic document or method developed as one unit.	10
O12 – Number of Management Plans/Handbooks/Manuals/ Guides for Activity on Public Lands Completed (formerly under H11, F3, C4, and R1)*	Report the number of new or revised ecosystem restoration, hazardous fuels reduction, recreation, cultural, resource management, or other activity plans when the decision document for the plan is signed. Revisions include modification of a significant portion of the decisions in the activity plan. Do not report minor amendments or changes in these plans. Report each plan as one unit.	10

**\*Note:**

Performance Measures H11, F3, C4, and R1, from original list were generalized and combined into new Performance Measure, O12.

**Glossary**

**Accession** – One or more objects and/or specimens acquired in the same manner from one source at one time for the museum property collection. Accessioning is the process of formally accepting and establishing permanent legal title (ownership) and/or custody for an object or specimen or group of objects and/or specimens. An accession can

consist of materials and associated archives from a single site or fossil locality, or materials from several sites or fossil localities.

**Biological Treatments** – Treatment of vegetation using domestic animals, insects, etc.

**Chemical Treatments** – Treatment of vegetation with herbicides, etc.

**Inventory** – Collection and analysis of baseline information; counting number of a given species, cultural feature, etc.

**Mechanical Treatments** – Treatments using hand or motorized tools for mowing, chaining, ripping, thinning, seeding, etc.

**Monitoring** – Establishment of current status and/or trends in environmental variables

**Riparian Habitat** – Riparian habitat includes the interface between upland habitat and a river, stream, or lake, regardless of whether it is intermittent or perennial. Riparian habitats are characterized by vegetation adapted to growing in water or saturated soils. Includes riparian woodlands, forests, buffer zones, or strips.

**Survey** – Observing an area to determine if a species or resource exists after which an inventory may or may not be performed.

**Upland Habitat** – Upland habitats include Mojave desert, grassland, shrub lands, pinyon juniper forests, and woodland sites.

**Wetland Habitat** – Wetlands are saturated areas, either permanently or seasonally, with characteristic vegetation adapted to its unique soil conditions.

Instructions: Put project cost estimates in Tabs 1-8. The values from those tabs will roll-up to this summary worksheet. The Non-Federal Contribution can be entered in Tabs 1-8 as a whole amount, it does not need to be broken out by unit cost.

**PROJECT BUDGET**

<b>Project Name:</b>	Red Rock Canyon Telecommunications Modernizations	<b>Date:</b> 11/2/2023	
<b>Project Manager:</b>	Tira Faiivae	<b>Agency:</b> BLM	
<b>Cost Categories</b>		<b>SNPLMA</b>	<b>Non-Federal Contribution</b>
1. Personnel (labor plus benefits)		\$ 1,893,884.00	\$ -
2. Travel		\$ 22,500.00	\$ -
3. Training		\$ 500.00	\$ -
4. Equipment		\$ 5,000.00	\$ -
5. Supplies/Materials		\$ 1,338,300.00	\$ -
6. Contracts and/or Agreements		\$ 2,212,326.54	\$ -
7. Vehicle Use		\$ 60,785.00	\$ -
8. Other Necessary Expenses		\$ 578,810.00	\$ -
<b>9. TOTAL PROJECT BUDGET</b>		<b>\$ 6,112,105.54</b>	<b>\$ -</b>

Notes:

## 1. PERSONNEL

Include labor costs for all aspects of project implementation where agency labor will perform the work, e.g. planning and environmental documentation, section 106 compliance, labor to perform implementation, project management, interdisciplinary team (ID team), engineering, etc. Labor expense documentation must correlate the individual labor expense with the deliverable, task, or subtask. Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total labor costs.

Description of Role	Unit	Unit of Measure	Unit Cost	SNPLMA	Non-Federal Contribution
Project Manager	2260	Hours	\$ 84	\$ 189,840	\$ -
Engineer (COR)	3520	Hours	\$ 125	\$ 440,000	\$ -
Field Manager	1750	Hours	\$ 105	\$ 183,750	\$ -
Assistant Field Manager	182	Hours	\$ 90	\$ 16,380	\$ -
NCA Manager	880	Hours	\$ 90	\$ 79,200	\$ -
Outdoor Recreation Planner	1760	Hours	\$ 80	\$ 140,800	\$ -
Realty Specialist	1760	Hours	\$ 80	\$ 140,800	\$ -
Wildlife Biologist	1760	Hours	\$ 80	\$ 140,800	\$ -
Natural Resource Specialist	1760	Hours	\$ 80	\$ 140,800	\$ -
Archaeologist	1760	Hours	\$ 80	\$ 140,800	\$ -
Planning and Environmental Coordinator	1760	Hours	\$ 80	\$ 140,800	\$ -
Management and Budget Analyst	182	Hours	\$ 73	\$ 13,286	\$ -
State Lead Recreation	182	Hours	\$ 123	\$ 22,386	\$ -
State Lead Engineering	352	Hours	\$ 123	\$ 43,296	\$ -
State Lead Contracting	352	Hours	\$ 123	\$ 43,296	\$ -
District Manager	50	Hours	\$ 150	\$ 7,500	\$ -
Deputy District Manager	50	Hours	\$ 123	\$ 6,150	\$ -
Public Affairs Specialist	50	Hours	\$ 80	\$ 4,000	\$ -
		Hours		\$ -	\$ -

<b>Total</b>	\$ 1,893,884	\$ -
--------------	--------------	------

**2. TRAVEL**

Travel expenses must make a direct and logical contribution to the project's purpose and deliverables (including tasks and subtasks, as appropriate). Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total travel costs.

Description of Travel and Purpose	Unit	Unit of Measure	Unit Cost	SNPLMA	Non-Federal Contribution
BLM COR Training	1	Trip	\$ 2,500.00	\$ 2,500	\$ -
State Office CO Visits	2	Trip	\$ 5,000.00	\$ 10,000	\$ -
Tribal Travel	2	Trip	\$ 2,500.00	\$ 5,000	\$ -
SO Engineer Visits	2	Trip	\$ 2,500.00	\$ 5,000	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -

<b>Total</b>	\$	22,500	\$	-
--------------	----	--------	----	---

### 3. TRAINING

Training expenses must make a direct and logical contribution to the project's purpose and deliverables (including tasks and subtasks, as appropriate). Example, contracting officer representative or program officer/assistance agreement training, training for chainsaw use, training for pesticide application, visual resource management, etc. Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total training costs.

Description of Role	Unit	Unit of Measure	Unit Cost	SNPLMA	Non-Federal Contribution
Assistance Agreement Training - Project Manager	1	Each	\$ 500	\$ 500	\$ -
COR Training - COR Engineer	1	Each	\$ 500		\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -

<b>Total</b>	<b>\$</b>	<b>500</b>	<b>\$</b>	<b>-</b>
--------------	-----------	------------	-----------	----------



**5. SUPPLIES AND MATERIALS**

Supplies and materials necessary to complete the project. Supplies/materials must make a direct and logical contribution to the project's purpose and deliverables (including tasks and subtasks, as appropriate). Supplies/materials must be the minimum amount necessary to accomplish the project; purchasing extra supplies/materials to "stock the cache" for post project management activities is prohibited. Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total equipment costs.

Description of Role	Unit	Unit of Measure	Unit Cost	SNPLMA	Non-Federal Contribution
Cell Phone (Unit Cost per Year)	2	Each	\$7,500	<b>\$15,000</b>	\$ -
Standard Office Supplies	5	Years	\$7,000	<b>\$35,000</b>	\$ -
Office Furniture Rental	1	Job	50000	<b>\$50,000</b>	\$ -
Printing Services	60	Months	\$500	<b>\$30,000</b>	\$ -
Internet gigabit Switches	1	Unit	\$300	<b>\$300</b>	\$ -
Temporary modular Office Usage estimate (power, telephones, etc)	72	Months	\$1,500	<b>\$108,000</b>	\$ -
Related Costs not covered elsewhere	5	Years	\$120,000	<b>\$600,000</b>	\$ -
Desert Tortoise fencing	10	miles	\$50,000	<b>\$500,000</b>	\$ -
				<b>\$0</b>	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -

<b>Total</b>	<b>\$</b>	<b>1,338,300</b>	<b>\$</b>	<b>-</b>
--------------	-----------	------------------	-----------	----------

**6. CONTRACTS AND AGREEMENTS**

Contracts and/or agreements (grants, cooperative agreements, assistance agreements, stewardship agreements, interlocal or state agreements, etc.) necessary to implement the project's purpose and deliverables (including tasks and subtasks, as appropriate). Extra or more robust documentation may be necessary if the contract and/or agreement is for multiple projects (e.g. a Master Agreement or CESU agreement). Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total grant and agreements used to implement the project.

Description of Role	Unit	Unit of Measure	Unit Cost	Subtotal	Non-Federal Contribution
Plant survey, plant and cacti salvage	1	Job	\$ 25,000	\$ 25,000	\$ -
Restoration plan	1	Job	\$ 10,000	\$ 10,000	\$ -
Fiber Optic Line scoping, preliminary engineering, Design and Construction for trench and installation of conduit, pull boxes, fiber optic cable, and backfill	1	Job	\$ 1,527,327	\$ 1,527,327	\$ -
Feasibility, planning, design, cost analysis for future remote communications	1	Job	\$ 175,000	\$ 175,000	
NEPA Contract w/cultural surveys for Fiber Optic Line and Tribal Consultation	1	Job	\$ 175,000	\$ 175,000	\$ -
Plant Seeding Project	1	job	\$ 225,000	\$ 225,000	\$ -
Vehicle Utilization	3	years	\$ 25,000	\$ 75,000	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -

<b>Total</b>	\$	2,212,327	\$	-
--------------	----	-----------	----	---



**8. OTHER NECESSARY EXPENSES**

Other Necessary Expenses are time and materials necessary for project implementation but are not specific to any one deliverable (including tasks and subtasks, as appropriate). If you included the labor, equipment, and/or supplies and materials in the other sheets, do not include them here. Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total other necessary expenses to implement the project. This is not a complete list. Contact the SNPLMA Division for guidance on other necessary expenses.

Description of Role	Unit	Unit of Measure	Unit Cost	Subtotal	Non-Federal Contribution
Allocation of transferred funds to the region and field	25	Hours	\$ 48	\$ 1,200	\$ -
Preparation of OMB reports required associated with transfer funds or required reporting for assistance agreements	40	Hours	\$ 48	\$ 1,920	\$ -
Financial audit support	40	Hours	\$ 48	\$ 1,920	\$ -
Supervision and oversight of SNPLMA-funded staff and/or contractors (not directly billed under Tab# 1 - Personnel)	50	Hours	\$ 50	\$ 2,500	\$ -
Human Resources tasks for project-related staff	10	Hours	\$ 50	\$ 500	\$ -
Cell phones for project staff (not included under Tab# 4 - Equipment)	1	each/month		\$ -	\$ -
Supervision and oversight of SNPLMA-funded staff and/or contractors (not directly billed under Tab# 1 - Personnel)	30	day/month/job	\$ 50	\$ 1,500	\$ -
Miscellaneous Engineer Costs	1	Job	\$ 48,000	\$ 48,000	\$ -
Computer	2	each/month	\$ 2,000	\$ 4,000	\$ -
IT services to install hardware, software, or service SNPLMA-funded computer equipment	5	Hours	\$ 54	\$ 270	\$ -
Related costs not covered elsewhere	5	years	\$ 75,000	\$ 375,000	\$ -
Miscellaneous BLM Administrative Costs	1	EA	\$ 142,000	\$ 142,000	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -

<b>Total</b>	<b>\$</b>	<b>578,810</b>	<b>\$</b>	<b>-</b>
--------------	-----------	----------------	-----------	----------



November 2, 2023

Ms. Catrina Williams  
Bureau of Land Management  
1000 Scenic Loop Drive  
Las Vegas, NV 89161

RE: Letter of Support for SNPLMA Proposal for Telecommunication Modernization at Red Rock Canyon.

Dear Ms. Williams,

Please accept this letter of support from Friends of Red Rock Canyon (Friends) for your proposal to SNPLMA to modernize the telecommunications at Red Rock Canyon National Conservation Area.

As your volunteer and philanthropic partner since 1984, we feel this modernization will allow your team to reach the almost 4 million visitors a year in a better way. This will also support Friends work as we continue to meet our mission to preserve and protect Red Rock Canyon for future generations.

Friends will be able to expand outreach effectively and efficiently to volunteers, who provide almost 100,000 hours of service each year at Red Rock Canyon. Having the ability to offer more modern platforms for environmental education and volunteering will also allow all of us to attract a younger and more diverse audience.

I am happy to answer any questions about our work or support of this proposal.

Sincerely,

*Terri*

Terri Janison  
Executive Director  
[terri@friendsredrock.org](mailto:terri@friendsredrock.org)  
702-515-5366

**SNPLMA Round 20  
Capital Improvements Project Addendum**

**Nomination:** Tab 8

**Entity:** Bureau of Reclamation, Lower Colorado Basin, Hoover Dam

**Project:** Public Restrooms and Water Treatment Systems Modernization and Expansion

**Remarks/Clarifications Needed:**

**Overall Comment:**

This nomination will produce Planning documents, not the actual restrooms, drinking water facilities, etc. Entities are instructed to write a Planning nomination as if it were being built.

**Section A – Background Information:**

**1. Connectivity.**

Entity Answer: “This project will provide a master plan design for drinking water, restrooms facilities, and a pet relief area conveniently located near all highly visited areas within Hoover Dam site. This project will provide necessary facilities for visitors and protect the surrounding habitat from the harmful impacts of human excreta due to insufficient restroom facilities.”

**Clarification Needed. This statement doesn't seem to address Connectivity. Per the Strategic Plan, connectivity should address: "Link people to nature and to recreational opportunities and unite important places across the landscape."**

**Section I – Project Budget:**

**1. Partnership and/or Contributed Funds.**

Entity Answer: “Reclamation will contribute \$175,000 of non-SNPLMA labor and materials to this project. Labor will be in support of the Appraisal Level Design Review report and development of shovel-ready construction documents.”

**Clarification Needed. What materials will BOR be contributing?**

**Section K – Ranking Criteria:**

**1. CONNECTIVITY**

**Criteria A:**

Entity Answer: “A study conducted by the American Restroom Association to identify and remove obstacles to public use of parks and trails found people are hesitant to participate in activities that put them out of range of toilet facilities. This project will remove this participation obstacle by providing a road map for construction of restrooms, drinking water kiosks, a designated pet relief area, site information and way-finding.”

**Clarification Needed: How does a pet relief area fit into plans for public restroom/drinking water?**

Criteria D:

Entity Answer: “The remote locations away from the dam itself provide ideal settings to share educational information about the abundant wildlife and fauna that flourish in the areas immediately surrounding the dam. Educational materials will also include what visitors can do to protect the natural environment.”

**Clarification Needed: The nomination does not have an interpretive component listed.**

2. COMMUNITY

Entity Answer: “Hoover Dam is a significant cultural resource essential to the development of the desert southwest and in supporting the region today with managing water and providing renewable power. It is essential that the local and regional communities understand the importance of this resource their daily lives and to share the historic and modern significance with visitors from around the world.”

**Clarification Needed. The answer does not seem to convey how the nomination encourages the public in conservation/protection.**

Criteria B:

Entity Answer: “The Boulder Canyon Project power customers will contribute \$175,000 in labor and materials to this project to support all work necessary to complete shovel-ready construction documents.”

**Clarification Needed. What materials will BOR be contributing?**

Section L – Orders and Priorities:

1. **Secretarial Orders**

a. ***SO No. 3347: Conservation Stewardship and Outdoor Recreation***

Entity Answer: “Reclamation will enhance conservation stewardship through interpretive materials at the new restroom locations and enhance outdoor recreation opportunities by providing ADA/ABA accessible restrooms and drinking water throughout the Hoover Dam site.”

**Clarification Needed: The nomination does not have an interpretive component listed.**

b. ***SO No. 3366: Increasing Recreational Opportunities on Lands and Waters Managed by the U.S. Department of the Interior***

Entity Answer: “Developed restroom and drinking water facilities will expand public opportunities.”

**Clarification Needed. How will this expand public opportunities?**

2. **Department of the Interior Priorities**

a. Entity Answer: “Hoover Dam produces renewable hydropower which is an essential component in the nation’s renewable energy portfolio. Educating the public about this critical resource brings awareness to a broader understanding of clean energy.”

**Clarification Needed: The nomination does not have an interpretive component listed.**

## **Budget - Excel Spreadsheet:**

### **Personnel Tab**

- \$166,050 for “Contracting Officer Representative (COR).”  
**BOR Project Manager is usually the COR also.**
- \$760,000 for “Engineer Review.”  
**Is this an outside contracted person? The BOR project manager is usually an engineer.**

### **Travel Tab**

- \$121,000 for travel of subject matter experts, geologic team, and design project manager.  
**Are these BOR/Denver Service Center people? Are these covered under contracts?**

### **Contracts and Agreements Tab**

- \$412,500 for “Contract for geological investigation.”  
**If this is being contracted why is there a travel charge on the Travel tab?**
- \$100,000 for “Design Estimating and Construction Review.”  
**Is this a separate contract to review the first contractor’s work?**

### **Vehicle Use**

- \$10,400 for “Vehicle for Site Visits”  
**Who is this vehicle for?**

### **Other Necessary Exp**

- \$265,820 for “Review/preparation of EA/FONSI/NEPA/CE.”  
**Would this already be covered by the Archaeologist and/or Environmental Compliance Officer on the Personnel tab?**
- \$20,000 for “Agency contributed materials.”  
**This indicates it is a BOR contribution, why is it a charge?**

**Southern Nevada Public Land Management Act  
Capital Improvements  
Round 20**

**U.S. Department of the Interior**



— BUREAU OF —  
RECLAMATION

**Lower Colorado Basin Region**

**Public Restrooms and Water Treatment Systems  
Modernization and Expansion**

Amount Requested: \$11,959,570

## **A. BACKGROUND INFORMATION**

### **a. Describe Relationship to Prior Approved Projects and/or Phases Relevant to this Project (SNPLMA funded or not), and any anticipated Future Phases**

This is the second phase of a multi-phase project for improvements to the existing Hoover Dam water treatment plants and existing public restrooms, plus expansion of the water distribution systems to add restrooms and drinking water facilities near the Memorial Bridge and Arizona turnaround public parking areas. Hoover Dam power customers (Power Customers) funded phase one (1), completed in March 2021, which was an analysis of the Hoover Dam existing water treatment systems, water treatment systems modernization alternatives, and initial siting for added plumbed restrooms. Phase 2 is for shovel ready Architectural and Engineering drawings and specifications, and a detailed construction cost estimate. The Phase 1 study will inform the basis of design for the Phase 2 work. The number of construction phases will be determined as part of design.

Hoover Dam is a National Historic Landmark hosting approximately five million visitors annually. From inception, Hoover was designed to host the public, with formal tours of the Powerplant beginning in 1936. US 93 was extended to connect Kingman, AZ to Las Vegas with the highway crossing the river on the crest of the dam. Since this was a highway, only the dam itself was developed as a visitor attraction. Since the opening of the Mike O'Callaghan–Pat Tillman Memorial Bridge in 2010, the roadway over Hoover is no longer a through road and visitors explore not just the dam but the overlooks and trails throughout the security zone. Plumbed restrooms and drinking water are only available on the dam as no infrastructure exists elsewhere on the site. The remainder of the sites are serviced by porta potties, vault toilets and bottled water vending machines.

The current wastewater and drinking water treatment plants are nearing the end of their useful life and cannot be expanded. This project would replace the treatment plants with modern environmentally friendly efficient modular water treatment plants that can be expanded to meet treatment needs as the phased construction of restroom facilities are completed. In addition, the project will include drinking fountains and bottle fillers which will eliminate the need for single use plastic water bottle vending machines.

### **b. Acknowledgement of Stand-Alone Project and no Guarantee of Funding for Future Phases**

Reclamation acknowledges this is a stand-alone project that will produce a complete set of construction documents and that there is no guarantee of funding for future phases. Hoover Dam plans to seek SNPLMA funds in future rounds for construction but will also seek funds from other sources for which we may qualify. Hoover Dam does not receive appropriated funding, so funding opportunities available to other federal recreation facilities are typically not available to Hoover Dam. The Power Customers are seeking legislation that would allow Reclamation to charge an entry fee at Hoover Dam which would provide a long-term sustainable revenue source to pay for visitor services expenses. This would allow Hoover Dam to provide substantial cost share and/or fund projects such as this in the future.

## B. EXECUTIVE COMMITTEE'S SNPLMA STRATEGIC PLAN VALUES

Capital Improvement projects have two goals identified in the Strategic Plan:

- Goal 1: Sustain the quality of the outdoor environment by conserving, preserving, and restoring natural and cultural resources.
- Goal 2: Improve the quality of life for all publics in urban and rural communities by enhancing recreational opportunities that connect people with the outdoor environment.

Nominated projects should meet these two goals by focusing on the three SNPLMA core values, connectivity, sustainability, and community. Every nomination must explain how the three values are promoted by the project.

- Connectivity:  
This project will provide a master plan design for drinking water, restrooms facilities, and a pet relief area conveniently located near all highly visited areas within Hoover Dam site. This project will provide necessary facilities for visitors and protect the surrounding habitat from the harmful impacts of human excreta due to insufficient restroom facilities.
- Sustainability:  
This project will produce the construction ready documents for modern water treatment systems, plumbed restrooms and drinking water to meet today's and future visitor needs. The water treatment and distribution systems will have a minimum life of 25 years and Hoover has the necessary personnel to maintain and repair the system to maximize the life of the infrastructure.
- Community:  
Having readily accessible restrooms and drinking water will enhance outdoor recreational opportunities by improving the quality of public interaction with the remote areas of the Hoover Dam site. The added comfort amenities will allow visitors to spend more time exploring the natural environment around Hoover Dam.

## C. PURPOSE STATEMENT

The purpose of this project is to meet the needs of the five million annual Hoover Dam visitors for conveniently located fully accessible restroom and drinking water facilities within the Hoover Dam Security Zone by completing the shovel-ready Architectural and Engineering drawings and specifications, and a detailed construction cost estimate necessary for phased construction. This project will provide the facilities necessary for the public to fully explore the natural

environment and the rich and significant role the Colorado River and Hoover Dam played in the development of the desert southwest and the role they play today.

## **D. PROJECT DELIVERABLES**

### Primary:

- 100% Construction documents including all site survey and investigation, drawings and specifications and construction costs estimates for multi-phase construction of water treatment and distribution systems, and restroom facilities within the Hoover Dam Security Zone.

### Anticipated:

- None

### Standard:

- SMART database quarterly status updates.
- SMART database annual and final accomplishment reports.
- State Historic Preservation Office (SHPO) and National Environmental Policy Act (NEPA) compliance including Cultural compliance (section 106)
- Appraisal level review of potable water and wastewater treatment system alternatives
- Value Planning Study
- Design, Estimating and Construction Review and/or Value Engineering Study
- SNPLMA closeout package

## **E. PROJECT LOCATION**

### **Identify County in Nevada where Project will be carried out:**

Clark County, NV and Mohave County, AZ

### **Identify Congressional District(s):**

AZ-4, NV-3

### **Latitude and Longitude:**

36.01623° / -114.737118°

## **F. PROJECT TIMEFRAME**

This project will take five (5) years to complete. Tentative milestones are planned to be as follows:

### Year 1

- Complete work plans and funding authorization

- Develop service agreement with Reclamation Technical Services Center for *Appraisal Level Design Review* of alternatives and initiate evaluation of water treatment alternatives

#### Year 2

- Complete *Appraisal Level Design Review* study and finalize report to include modernized water treatment options to be used in final design
- Initiate procurement for A&E Design services
- Initiate Geologic Investigation
- Initiate Topographic Survey

#### Year 3

- Complete Geologic Investigation
- Complete Topographic Survey
- Complete 30% Level Design and Cost Estimate
- Perform Value Planning Study
- Perform Design, Estimating and Construction Review

#### Year 4

- Continue design development 60% to 90%
- Perform Value Engineering Study

#### Year 5

- Complete Final Design – 100% phased construction documents and cost estimate
- Request for closeout to SNPLMA
- SNPLMA Final inspection
- Final review of project file and expenditures
- SMART data inputs

5 years total anticipated period of performance for completion

### **G. LEVEL OF PROJECT READINESS FOR IMPLEMENTATION**

Is this a shovel-ready project?  Yes  No

This is a planning project to develop shovel-ready documents required to proceed with construction. Reclamation funded Phase 1, completed in March 2021, which was an assessment of the existing water treatment and distribution systems documented in a report titled *Preliminary Analysis of the Hoover Dam Water System*. In this analysis water treatment modernization options were evaluated and preliminary locations for plumbed restrooms were identified. This information will inform design development and Reclamation is prepared to proceed with the design process immediately upon receipt of funding.

Have you applied, received, or is there the opportunity to obtain funding from another source for this project? Please list the additional funding opportunities received or applied for and indicate whether it is federal or nonfederal funding.

Under the legislation that authorized construction of Hoover Dam, Reclamation cannot receive appropriated funds for this facility. Funding for the cost of all Hoover Dam operations and maintenance, including all costs associated with visitor services, must be funded through the sale of power. Hoover Dam submitted this project to Reclamation for consideration under the Bipartisan Infrastructure Law and it did not meet the criteria for consideration. There are no other federal or nonfederal funding opportunities for this project.

## **H. FUTURE OPERATING AND MAINTENANCE**

As part of the design, future operation and maintenance requirements and costs will be fully scoped. Reclamation has the technical expertise and labor force for operation and maintenance of refurbished existing and planned new facilities. Hoover Dam staff currently maintain the water treatment, distribution, and restroom facilities. All costs associated with upgraded systems and facilities will be incorporated into the Boulder Canyon Project Ten Year operating budget that is funded by our 46 power customers.

## **I. PROJECT BUDGET**

Complete the project budget using the provided Excel spreadsheet template and upload as a separate document to the “Submissions” tab in the Nomination Portal. Do not embed the project budget in this document.

### Partnership and/or Contributed Funds

Reclamation will contribute \$175,000 of non-SNPLMA labor and materials to this project. Labor will be in support of the Appraisal Level Design Review report and development of shovel-ready construction documents. There will be no in-kind contributions as this is a planning project.

## **J. KEY CONTACTS**

Authorized Officer: Theresa Saumier, Manager, Facility Services  
 Email: [tsaumier@usbr.gov](mailto:tsaumier@usbr.gov)  
 Phone Number: (702) 494-2822

Project Manager: Jesse Alvarado, Project Manager  
 Email: [jalvarado@usbr.gov](mailto:jalvarado@usbr.gov)  
 Phone Number: (702) 494-2481

Budget Officer: Alton Blalock  
 Email: [ablalock@usbr.gov](mailto:ablalock@usbr.gov)  
 Phone Number: (702) 293-8437

## K. RANKING CRITERIA

The Ranking Criteria are used to evaluate the nomination against the goals for the Capital Improvements category. Nominating entities are not to include either the total point value or the point values by criteria in their responses. Nominations will be reviewed and scored by the Capital Improvements subgroup. Explain how the project meets each applicable criterion.

1. **SUSTAINABILITY & MODERNIZATION:** The project supports, or plans to support, conservation, preservation, restoration, or modernization of natural, cultural, or historic resources (which includes infrastructure) to ensure availability of those resources for future generations. The agency has shown the project is feasible and will remain relevant and continue to provide benefit to a recreation user over the anticipated life of the project. Clearly explain what the anticipated design life of the project is and identify what and how the natural resources will be sustained.

*A. A new project or facility, or planning for a new project or facility, including employee housing, designed specifically to engender conservation stewardship and provide new opportunities within the management area that is ecologically, economically, and socially sustainable for present and future generations and restore or preserve natural resources or cultural resources of the area. Directly supports the conservation and stewardship of natural and cultural resources.*

Answer: This project will provide modern environmentally friendly efficient water treatment plants, a site wide water distribution and wastewater collection system, and restroom and drinking water facilities throughout the Hoover Dam security zone to serve present and future visitors. Treated water will be returned to the Colorado River supporting water reuse and conservation, single use plastic water bottles will be eliminated though drinking fountains and bottle filler stations, and fully accessible restrooms will be located where visitors need them.

*B. Modernization or rehabilitation, or planning for the modernization or rehabilitation, of an existing project, facility and/or amenities to enhance the visitor experience, improve unit operations, and reduce or eliminate user impacts to the natural or cultural resources, or restore natural processes within the immediate project area.*

Answer: This project includes modernization and rehabilitation of the Hoover water treatment plants, water distribution and collection systems, and refurbishment of existing and construction of new restroom and drinking water facilities necessary for visiting public of all abilities. Modernized water treatment and distribution facilities would improve operations by meeting current and future capacity requirements, reduce maintenance requirements of current end of life systems by replacing and upgrading

existing infrastructure and, protect the natural environment from impacts of human waste in areas without restrooms, by providing appropriate sanitation facilities. Modernizing the water treatment, distribution and restroom facilities would provide maintainable facilities for the next 25 to 50 years.

- C. Planning of, or conservation and stabilization, restoration, or rehabilitation of, significant historic buildings, cultural sites, and other significant historic facilities for the present and future generations to enjoy and appreciate the areas cultural heritage.*

Answer: Prior to construction of the Mike O'Callaghan–Pat Tillman Memorial Bridge (Bypass Bridge), completed in 2010, US 93 was routed through the Hoover Dam Security Zone (Security Zone) and over the top of Hoover Dam. The huge volume of traffic passing daily through the site limited opportunities for the public to fully explore and appreciate the entire Hoover Dam project site. Restrooms and other comfort amenities for visiting public were developed around the top of the dam but keeping traffic moving on the highway was a priority. The roadway through the Security Zone is no longer a through road. The public enters Hoover Dam on the Nevada side, crosses over the top of the dam and explore the overlooks about one mile into Arizona. Along the 6 miles of roadway there are only restrooms and drinking water at the top of the dam and the parking garage next to the dam. The public can now experience the bigger project area. This project will provide present and future generations more opportunities to fully enjoy and appreciate Hoover Dam's cultural and historic significance.

- D. New facilities, or planning for a new facility, that enhances or improves management of public lands. These might include visitor centers, contact stations, and campgrounds to improve public access; housing for staff, interns, and volunteers to carry out programs for improved conservation, education; and curation facilities and workspace to improve conservation of natural and cultural resources and opportunity for educational programming.*

Answer: In addition to improved access by virtue of having facilities to meet basic needs where they are needed, restroom areas will include additional interpretative and educational information relevant Hoover Dam and the location of the individual facilities. Having drinking water accessible throughout the site would eliminate the need for the existing water bottle vending machines in these remote areas and reduce our solid waste.

2. **CONNECTIVITY:** The project provides, or plans to provide, recreational opportunities that link population centers, recreation facilities, and the user to the outdoors and natural landscapes. It encourages people to meaningfully connect with their natural environment, thus helping them appreciate and care for the environment. The project will also connect the user to the history and/or cultural of the site and engages the user in appreciation of the site/area.

- A. *Provides, or plans to provide, new, upgraded, or modernized feasible access and/or amenities or infrastructure to previously under-served areas and/or new opportunities to enjoy/appreciate public lands (e.g., trails, kiosks with location maps and site information, roads, parking, way-finding, restrooms, day use or overnight camping).*

Answer: A study conducted by the American Restroom Association to identify and remove obstacles to public use of parks and trails found people are hesitant to participate in activities that put them out of range of toilet facilities. This project will remove this participation obstacle by providing a road map for construction of restrooms, drinking water kiosks, a designated pet relief area, site information and way-finding. These amenities will allow the visiting public to engage with the larger story of Hoover Dam and the role it played in settlement of the desert southwest. Visitors will gain a broader appreciation of how Hoover Dam fits into its natural surrounding including geology, flora and fauna, Lake Mead and other natural features.

- B. *Improves, or plans to improve, access to previously developed recreation areas and sites on public lands and/or rehabilitates, upgrades, or modernizes site amenities (e.g., improves access to trails, area or site information and way-finding, converts high clearance access roads to passenger vehicle accessible roads, and/or improves parking).*

Answer: [Click or tap here to enter text.](#)

- C. *Provides, or plans to provide, new or additional recreation opportunities by connecting two or more existing recreational facilities/areas or cultural sites, and increased access to primitive or developed outdoor recreation and educational opportunities to meet increased user demand.*

Answer: This project expands recreation opportunities by developing appropriate site use restroom facilities in areas the public was discouraged from exploring prior to the opening of the Bypass Bridge. These areas are heavily visited by the public today and needed comfort facilities do not exist. Today approximately 60% of the vehicles entering Hoover Dam stop at the Bypass Bridge, and 85% drive to at least one of the overlook areas on the Arizona side of the dam. Neither areas have water and restroom facilities are vault toilets or porta pottys.

- D. *Contains an outreach and education or stewardship component to improve public awareness and engage the public in the conservation and protection of the surrounding natural environment through the use of resource interpretation (e.g., information signage, kiosks, on-site docent accommodations, educational programs, restoration, revegetation, invasive species removal, cultural site protection).*

Answer: The remote locations away from the dam itself provide ideal settings to share educational information about the abundant wildlife and fauna that flourish in the areas immediately surrounding the dam. Educational materials will also include what visitors can do to protect the natural environment.

3. **COMMUNITY:** The project provides, or plans to provide, or improves outdoor recreation opportunities to improve the quality of life, especially for underserved communities. It conserves or restores, or plans to conserve or restore, the functionality, resiliency, and integrity of biological communities, and/or addresses affordable employee housing. The project encourages partnerships, which in turn builds community. *(Encourages and engages the public in the conservation and protection of the surrounding natural environment through use of volunteer/stewardship resources)*

Answer: Hoover Dam is a significant cultural resource essential to the development of the desert southwest and in supporting the region today with managing water and providing renewable power. It is essential that the local and regional communities understand the importance of this resource their daily lives and to share the historic and modern significance with visitors from around the world.

- A. *Outdoor recreation projects that provide, or plans to provide, economic benefits to local communities and social benefit to the recreationist and are responsive to changing demographics. The project has demonstrated feasibility and has agreements or partnerships in place for the planning, design, implementation, and/or management of the project.*

Answer: Hoover Dam is a National Historic Landmark hosting approximately 5M local, national, and international visitors each year. The dam is a major tourist attraction in the Las Vegas Valley and is listed as one of the top 5 Las Vegas valley visitor attractions. To be a valuable part of the Las Vegas valley tourism industry, Reclamation needs to provide comfort amenities that provide an experience visitors would expect to find when visiting a National Historic Landmark. The *Preliminary Analysis of the Hoover Dam Water System* completed in 2021 has demonstrated the feasibility of construction. Reclamation has the staff and funds available for oversight and review of the design development process and all required NEPA consultations.

- B. *Project has identified committed non-SNPLMA sources of funding or in-kind contribution for the planning, design, and development of the project.*

Answer: The Boulder Canyon Project power customers will contribute \$175,000 in labor and materials to this project to support all work necessary to complete shovel-ready construction documents.

- C. *Project provides agency or unit support/administrative infrastructure in underserved areas to improve management of, conservation stewardship, educational programming, and access to, public lands.*

Answer: Upon construction this project will provide site improvements that will allow public to better engage and appreciate remote parts of the Hoover Dam project area by providing necessary public restrooms and drinking water. Phased construction will improve Reclamation's administration of water and wastewater treatment and distribution systems through modernized systems that will serve all public access areas of the site for the next 25-50 years.

- D. *Supports, or plans to support, community through affordable employee housing to promote economic development, enhance the quality of life, and improve the productivity and management of public lands.*

Answer: This project supports improved management of public lands by providing facilities that will eliminate environmental impacts of human waste contamination.

4. **OPERATIONS AND MAINTENANCE:** The agency has clearly demonstrated that the anticipated operations and maintenance costs for the project and resources necessary to operate the project are within existing appropriations or demonstrated how they will secure the necessary operations and maintenance funds. *(Agency has detailed the estimated annual O&M costs, estimated use, and permit fees to be collected, if applicable.)*

- A. *The agency has demonstrated that the project is feasible and current appropriations are sufficient for the operations and management of the new project or that O&M costs will be reduced after reconstruction and will be offset by concessionaire or volunteer labor for O&M.*

Answer: Hoover Dam does not receive appropriated funds. Current and future costs associated with operation and maintenance of water treatment, distribution and restrooms facilities will be funded within the Boulder Canyon Project (BCP) Budget approved annually by our 46 power contract customers.

- B. *Volunteers or partners will be responsible for operation and maintenance of the project and agency funds will not be needed.*

Answer: No Reclamation appropriated funds will be used in the operation and maintenance of this project. All funding will be provided by BCP.

- C. *The agency has included the current O&M costs, if any, and how this project will reduce current operations and maintenance costs. The entity has clearly shown what the anticipated savings will be, and/or how the project will reduce water use or energy costs for utilities or other O&M costs.*

Answer: Hoover Dam staff responsible for Water Systems operations and maintenance are fully funded within the BCP budget and current staff will be sufficient to operate and maintain the modernized and expanded system. There would be reduced O&M costs with

new water treatment facilities. Replacing undersized and deteriorated piping will reduce clogged lines and pipe leak repairs. The time existing maintenance gains from the upgrades to the existing systems will be utilized for O&M of the expanded distribution and restroom facilities. Hoover Dam produces its own house power, so there is no savings to be realized on energy, however the Water System will include water and energy efficient fixtures and treatment methods with water conservation as a priority and maximize the amount of water that can be treated and returned to the Colorado River system.

D. *Project would improve, or plans to improve, energy efficiency and/or independence.*

Answer: The project will incorporate energy efficient fixtures. Hoover Dam produces its own house power and is therefore already 100% energy independent.

#### 5. **LIFECYCLE REPLACEMENT/RECONSTRUCTION AND DEFERRED**

**MAINTENANCE:** Any existing project or facility that has met or exceeded its useful life, design life, or life cycle that requires major restoration or reconstruction, or plans for major restoration or reconstruction, to restore the historic fabric of the facility or meet standard new Federal accessibility guidelines. *(Does not include reconstruction, changes, or new amenities for previously approved SNPLMA capital improvement projects. Excludes projects that were identified as phased construction, each phase must be fully operational and serve the intended purpose upon completion.)*

A. *The project remains relevant, but has exceeded its useful design life, does not meet current federal accessibility standards, or deferred maintenance costs exceed the cost of replacement or reconstruction.*

Answer: Not applicable

B. *Current use has exceeded the original planned visitation/use and impacts have created a need to replace or reconstruct, or plans to replace or reconstruct, the facility earlier than originally intended and increased deferred maintenance costs exceed the cost of replacement or reconstruction. The project proposal shows the current annual maintenance costs and the anticipated savings after construction/reconstruction is complete.*

Answer: The site use has changed significantly since the opening of the Bypass Bridge necessitating expansion of our water and wastewater distribution system and the addition of new restroom facilities. The water and wastewater treatment plants are at the end of their useful life and due for replacement. Modern water and wastewater treatment plants with a modular design will allow the plants to be efficiently expanded as the treatment needs increase with phased construction of additional restrooms. Operation and maintenance costs are anticipated to remain stable with reduced maintenance on newer water treatments systems and the existing labor capacity utilized to operate and maintain the expanded system.

## L. ORDERS AND PRIORITIES

Respond to the Executive Orders, Secretarial Orders, Department of the Interior Priorities, and USDA Forest Service Priorities as they apply to the purpose of the nomination.

### 1. Executive Orders (EO):

#### 0. ***EO No. 13855: Promoting Active Management of America's Forests, Range Lands to Improve Conditions and Reduce Wildfire Risk***

Not applicable

#### 1. ***EO No. 14004: Ensuring the Future is Made in All of America by All of America's Workers***

Reclamation will include the Buy American Act in all contracts and ensure compliance through review of material submittals by the contractors to the Government.

#### • ***EO No. 14063: Use of Project Labor Agreements for Federal Construction Projects (applicable to projects estimated at \$35 million or more)***

For phased construction Reclamation will comply if applicable

#### • ***EO No. 14072: Strengthening the Nation's Forests, Communities, and Local Economies***

Not applicable

#### • ***EO No. 14096: Revitalizing Our Nation's Commitment to Environmental Justice for All***

Fully accessible restrooms will make Hoover Dam an engaging experience for all visitors

### 2. Secretarial Orders

#### 1. ***SO No. 3347: Conservation Stewardship and Outdoor Recreation.***

Reclamation will enhance conservation stewardship through interpretive materials at the new restroom locations and enhance outdoor recreation opportunities by providing ADA/ABA accessible restrooms and drinking water throughout the Hoover Dam site.

2. ***SO No. 3356: Hunting, Fishing, Recreational Shooting, and Wildlife Conservation Opportunities and Coordination with States, Tribes and Territories.***

Not applicable

3. ***SO No. 3362: Improving Habitat Quality in Western Big-Game Winter Range and Migration Corridors.***

Not applicable

4. ***SO No. 3366: Increasing Recreational Opportunities on Lands and Waters Managed by the U.S. Department of the Interior***

Developed restroom and drinking water facilities will expand public opportunities

5. ***SO No. 3370: Conservation Stewardship and Increasing Public Access to Urban National Wildlife Refuges.***

Not applicable

6. ***SO No. 3372: Reducing Wildfire Risks on Department of the Interior Land Through Active Management.***

Not applicable

7. ***SO No. 3373: Evaluating Public Access in Bureau of Land Management Public Land Disposal and Exchanges (focus is on Sec. 4.b.(3) Potential increased public recreational access to existing public lands resulting from the proposed land acquired through an exchange (acquisition).***

Not applicable

8. ***SO No. 3376: Increasing Recreational Opportunities through the use of Electric Bikes.***

Hoover Dam is currently completing environmental compliance to permit electric bike use within the Security Zone. Adequate restroom facilities are essential to optimizing the biking experience.

3. Department of the Interior Priorities:

- ***Identifying steps to accelerate responsible development of renewable energy on public lands and waters.*** *We are investing in climate research and environmental innovation to incentivize the rapid deployment of clean energy solutions, while reviewing existing programs to restore balance on America's public lands and waters to benefit current and future generations.*

Answer: Hoover Dam produces renewable hydropower which is an essential component in the nation's renewable energy portfolio. Educating the public about this critical resource brings awareness to a broader understanding of clean energy.

- ***Strengthening the government-to-government relationship with sovereign Tribal Nations.*** *We understand that tribal sovereignty and self-governance, as well as honoring the federal trust responsibility to Tribal Nations, must be the cornerstones of federal Indian policy.*

Answer: This project ensures future compliance with Clean Water Act regulations consistent with priorities of Tribal nations. In the current 50-year contract implemented in 2018, the opportunity for sovereign Tribal nations to contract directly with Reclamation to buy Hoover Dam power was opened. Twenty-three tribal nations are among the forty-six customers that currently hold Hoover Dam power contracts.

- ***Making investments to support the Administration's goal of creating millions of family-supporting and union jobs.*** *This includes establishing a new Climate Conservation Corps Initiative to put a new generation of Americans to work conserving and restoring public lands and waters, increasing reforestation, increasing carbon sequestration in the agricultural sector, protecting biodiversity, improving access to recreation, and addressing the changing climate.*

Answer: The design effort includes site investigation work required to complete this planning project will be contracted out, creating jobs for unionized workers at government-mandated wage levels supporting families. We estimate approximately 45-60 workers will be employed over the project design timeframe and significantly more during the construction phases.

- ***Working to conserve at least 30% each of our lands and waters by the year 2030.*** *We will work to protect biodiversity, slow extinction rates, and help leverage natural climate solutions by conserving 30% of America's lands and waters by 2030. This relies on support for local, state, private, and tribally led conservation and restoration efforts that are underway across America.*

Not applicable

- ***Centering equity and environmental justice.*** *The impacts of the multiple crises in the United States are not evenly distributed in our society. Communities of color, low-income families, and rural and indigenous communities have long suffered disproportionate and cumulative harm from air pollution, water pollution, and toxic sites. At every step of the way, Interior will engage diverse stakeholders across the country, as well as conduct formal consultation with Tribes in recognition of the U.S. government's trust responsibilities.*

Answer: Hoover Dam provides water to 22 million people and enough power to serve 1.3 million people in Southwestern United States, including residents of sovereign Tribal nations, communities of color and low-income families. This project supports Hoover Dam's ability to provide return flows to the Colorado River fully compliant with federal and state Clean Water regulations and would eliminate the environmental hazards caused by inadequate restroom facilities across the Hoover Dam site.

4. USDA Forest Service Priorities:

- ***Controlling the COVID-19 pandemic***

Not applicable

- ***Providing economic relief***

Not applicable

- ***Tackling climate change***

Not applicable

- ***Advancing racial equity***

Not applicable

- ***Improving our workforce and work environment***

Not applicable

## M. MAPS

Maximum of six maps, labeled with a description. Maps must include a scale, title, the author, north arrow, date and time of preparation, and a legend. Insert here and upload maps as JPEG in the Nomination Portal.



Location map showing proximity to Las Vegas and surrounding communities.

Overview showing location of Hoover Dam and area under Reclamation management, the Hoover Dam Security Zone.

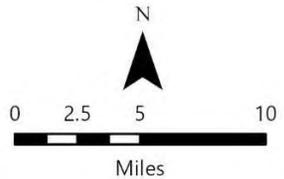


### Notes

See Map 3 - Strategic Plan Values Map for area within scope.

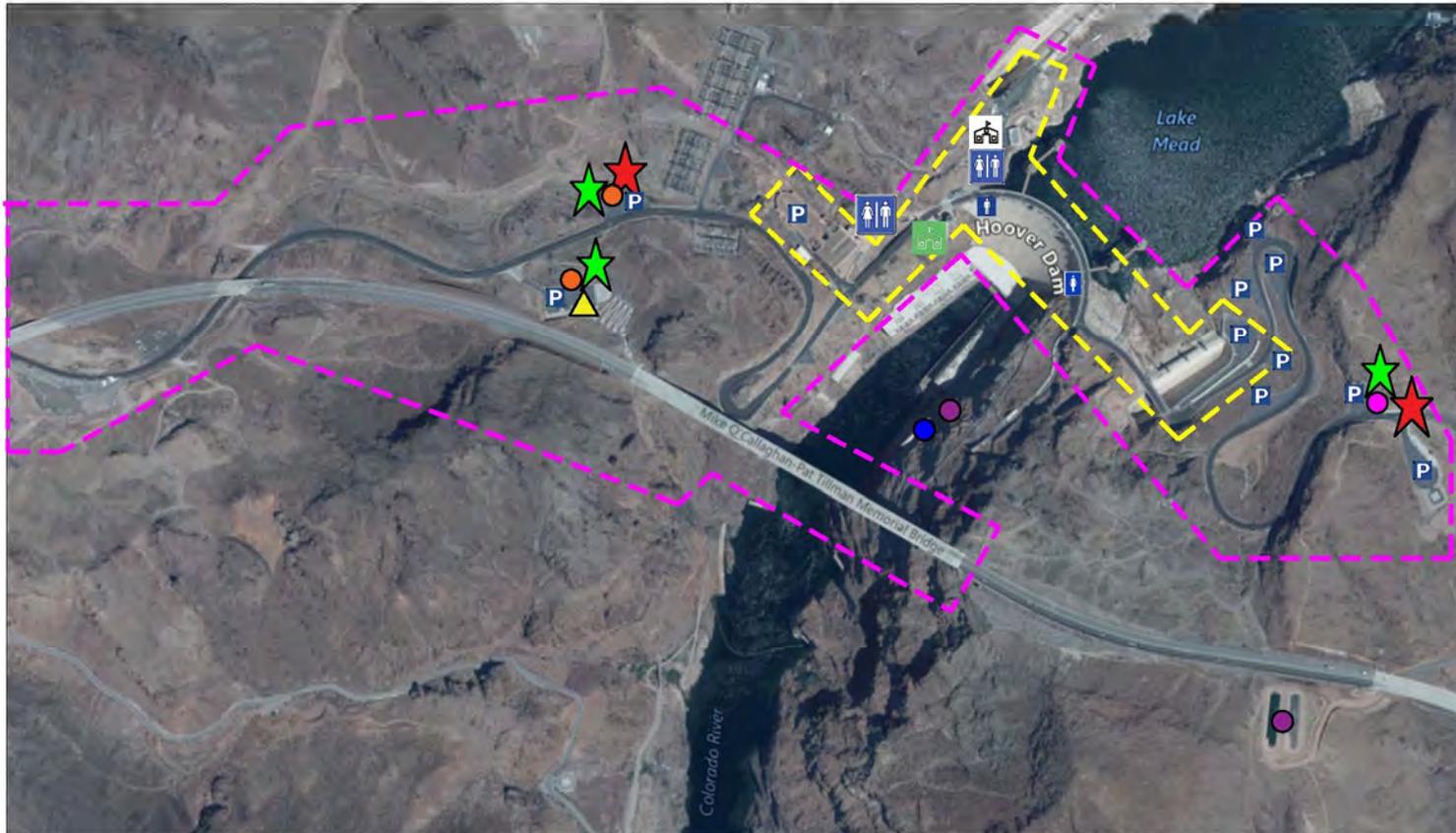
### Legend

- Project Location
- ★ City Locations



# HOOVER DAM

## EXISTING AND PROPOSED FACILITIES STRATEGIC PLAN VALUES - SUSTAINABILITY AND CONNECTIVITY



Feet

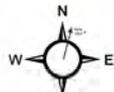
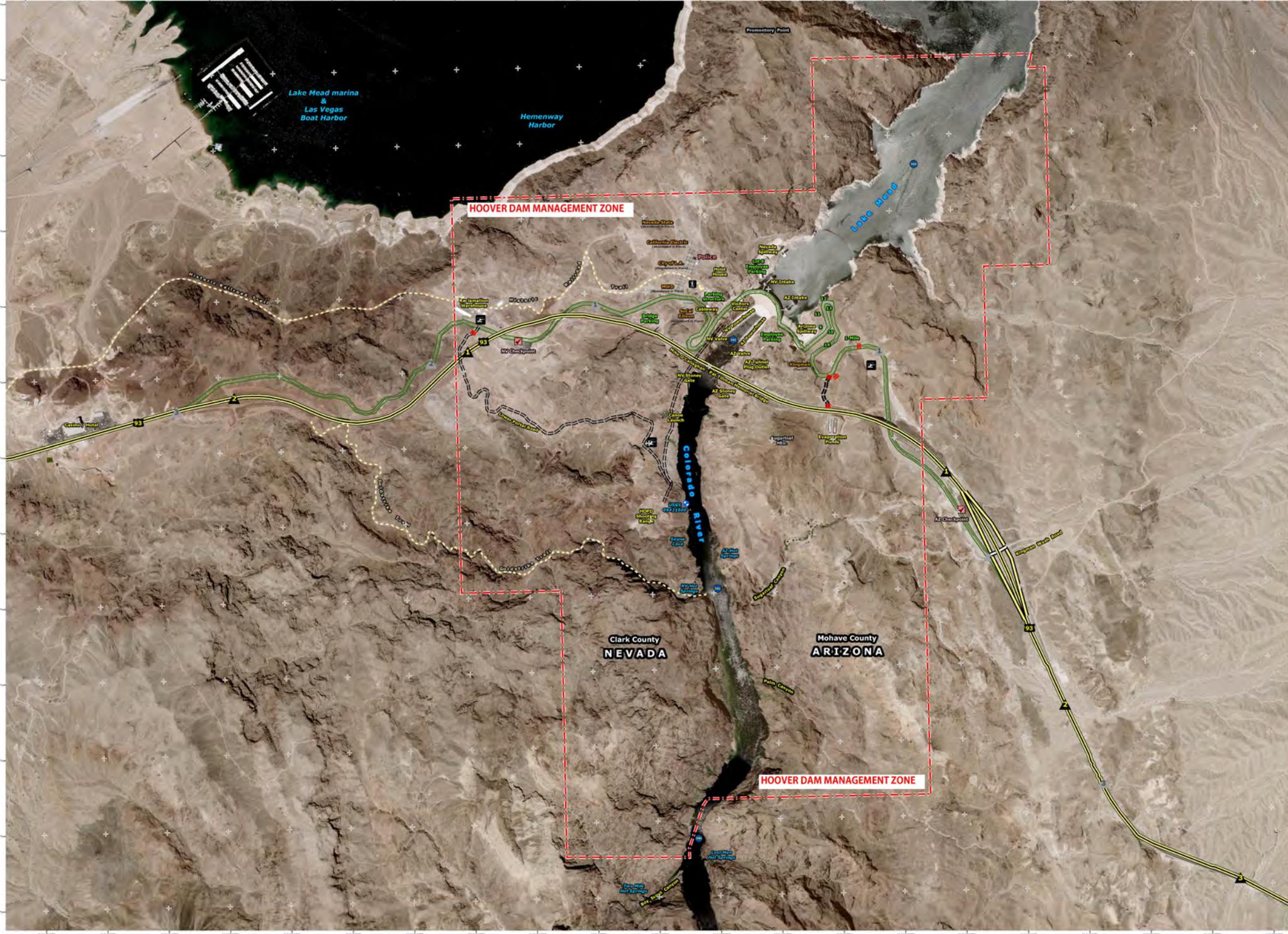
--- VISITOR AREA PRIOR TO CONSTRUCTION OF MIKE O'CALLAGHAN-PAT TILLMAN MEMORIAL BRIDGE BYPASS

--- VISITOR AREA POST TO CONSTRUCTION OF MIKE O'CALLAGHAN-PAT TILLMAN MEMORIAL BRIDGE BYPASS

### LEGEND

-  VISITOR CENTER
-  ORIGINAL EXHIBIT BUILDING
-  MEMORIAL BRIDGE PLAZA
-  PARKING
-  PLUMBED RESTROOMS
-  VAULT TOILETS
-  PORTA POTTY
-  WASTEWATER TREATMENT PLANT
-  WATER TREATMENT PLANT
-  NEW PET RELIEF STATIONS
-  NEW PLUMBED RESTROOMS AND DRINKING FOUNTAINS

\* SEE MAP #2 FOR COMMUNITY MAP



1 : 7250



# HOOVER DAM MANAGEMENT ZONE

prepared by: Regional Office, 02/09/2009

LEGEND	
	Hoover Dam Security Zone
	River Mile (BICR)
	US-93 Mile Marker (post-Report)
	US-93 Mile Marker (pre-Report)
	Helicopter Landing Zone
	River Gage (USGS)
	Point of Interest

**N. PHOTOS**

Maximum of six photos, up to 20mg each or less. Provide descriptions. Insert here and upload photos as JPEG in the Nomination Portal.



View looking down from Memorial Bridge access showing visitors lined up to use vault toilets.



View from penstock platform of existing Wastewater Treatment plant located in Arizona penstock access tunnel showing no room for expansion.





Arizona turnaround showing porta pottys – the turnaround is regularly used as a restroom stop by tour bus companies



Parking garage restroom showing deteriorated condition and need for major renovation







Drinking fountain/bottle filler stations similar to these in Hoover Dam Visitor Center will be installed near existing and new restrooms around the site.

**SNPLMA ROUND 20 NOMINATION  
Capital Improvements**

**Performance Measures**

<b>SNPLMA FY2020-FY2024 STRATEGIC PLAN GOAL 1: Sustain the Quality of the Outdoor Environment by Conserving, Preserving, and Restoring Natural and Cultural Resources</b>		
<b>Performance Measures for Habitat Enhancement</b>	<b>Definition of Performance Measure</b>	<b>Quantity</b>
H2 - Miles of Riparian Stream or Shoreline Habitat Treated, Enhanced, or Restored	Report the number of miles of riparian stream and/or shoreline vegetation and/or wildlife habitat treated, enhanced, or restored. This can include retreatment and/or maintenance treatments only if the initial treatment was not funded through SNPLMA and the miles have not been accounted for in the performance measures for another SNPLMA project. Include acres treated by fire for resource benefits, but not other types of wildland fire. Do not report treatments targeting invasive vegetation, as those should be reported under the H9 performance measure. Do not report hazardous fuels reduction projects, as those should be reported under either the F1 or F2 performance measures. Report to the nearest whole mile.	
H3 - Miles of Riparian Stream or Shoreline Habitat Surveyed, Inventoried, or Monitored	Report the number of miles of riparian stream and/or shoreline vegetation and/or wildlife habitat surveyed, inventoried, or monitored. Report to the nearest whole mile.	
H4 - Acres of Upland Habitat Treated, Enhanced, or Restored	Report the number of acres of upland vegetation and/or wildlife habitat treated, enhanced, or restored. This can include retreatment and/or maintenance treatments only if the initial treatment was not funded through SNPLMA and the acres have not been accounted for in the performance measures for another SNPLMA project. Include acres treated by fire rehabilitation projects or by fire for resource benefits, but not other types of wildland fire. Do not report treatments targeting invasive vegetation, as these should be reported under the H9 performance measure. Do not report hazardous fuels reduction projects, as these should be reported under either the F1 or F2 performance measures. Report to the nearest whole acre.	
H5 - Acres of Upland Habitat Surveyed, Inventoried, or Monitored	Report the number of acres of upland vegetation and/or wildlife habitat surveyed, inventoried, or monitored. Report to the nearest whole acre.	
H6 - Acres of Wetland / Riparian Habitat Treated, Enhanced, or Restored	Report the number of acres of wetland vegetation and/or wildlife habitat treated, enhanced, or restored. This can include retreatment and/or maintenance treatments only if the initial treatment was not funded through SNPLMA and the acres have not been accounted for in the performance measures for another SNPLMA project. Include acres treated by fire rehabilitation projects or by fire for resource benefits, but not other types of wildland fire. Do not report treatments targeting invasive vegetation, as these should be reported under the H9 performance measure. Do not report hazardous fuels reduction projects, as these should be reported under either the F1 or F2 performance measures. Report to the nearest whole acre.	
H7 - Acres of Wetland / Riparian Habitat Surveyed, Inventoried, or Monitored	Report the number of acres of wetland vegetation and/or wildlife habitats inventoried or monitored. Report to the nearest whole acre.	

H8 - Number of Water Developments Constructed or Improved for Wildlife	Report the number of water developments for use by wildlife constructed or improved/repared within all habitat types. Existing projects may be counted under this performance measure if functional improvements/repairs are made as defined in the project nomination. Report each development constructed or improved as one unit (e.g., one project may have three water developments).	
H9 - Acres of Invasive Plant Species Treated or Restored	Report the number of acres of weed infestation treated with chemical, mechanical, physical, or biological control agents for the purpose of weed control. Include acres treated by fire when fire is used as a physical control agent for weed control rather than as a hazardous fuels treatment. Each acre treated is counted only once during the life of the project, no matter how many re-treatments occurred during the project. Report to the nearest whole acre.	
H10 - Acres of Invasive Plant Species Surveyed, Inventoried, or Monitored	Report the number of acres of weed infestation inventoried or monitored. Include monitoring of weed treatment projects reported under performance measure H9. Report to the nearest whole acre.	
H14 - Number of Threatened and Endangered Species Recovery Actions Implemented	Report the number of individual recovery actions performed for threatened or endangered species recovery as identified in recovery plans, conservation management plans, or land use planning documents. Include surveys, inventories, and monitoring as recovery actions. Note: One distinct action repeated 5 times over the course of the project would report as 1 action, not 5. The same recovery action conducted at distinct sites can be counted once for each site (this does not apply to individual plots within one single project site). The number of acres over which the actions were taken are reported under either H4 or H6. Report each action as one unit.	
H15- Number of Conservation Actions Implemented for Non-Listed Species	Report the number of individual conservation actions for species not listed under the Endangered Species Act. Note: One distinct action repeated 5 times over the course of the project would report as 1 action, not 5. The same conservation action conducted at distinct sites can be counted once for each site (this does not apply to individual plots within one single project site).The number of acres over which the actions were taken are reported under either H4 or H6. Report each action as one unit.	
H16 - Miles of Roads or Trails Decommissioned and/or rehabilitated	Report the number of miles of roads and/or trails decommissioned and/or rehabilitated within all habitats (urban, upland, riparian, stream, trails in caves, etc.). Closure may include designation, signing, blockage by physical means, obliteration, etc. Report to the nearest whole mile.	
H17 – Miles of Roads or Trails Surveyed, Inventoried, or Monitored	Report the number of miles of roads and/or trails inventoried or monitored. Report to the nearest whole mile or linear foot. Report to the nearest whole mile.	
<b>Performance Measures for Cultural / Paleontological Resources</b>	<b>Definition of Performance Measures</b>	<b>Quantity</b>
C1 - Number of Cultural or Historic Sites or Structures Stabilized or Protected	Report the number (one unit for each site or each structure) where work is completed to protect, stabilize, restore, excavate, and/or manage cultural features. For sites receiving multiple treatments, count each site only once, but if multiple structures are on a site, count each structure separately. For example an archeological dig site would be counted as one although multiple excavations may take place on the site, whereas a site having remnants of three separate dwellings would be counted as three. Report installation of interpretive signs and structures (e.g., kiosk displays) under O6. Report administrative actions such as mineral withdrawals, closures, or special designations under H1. Report each site or structure as one unit.	

C2 - Number of Cultural or Paleontological Artifacts Protected	<p>Report the number of cultural and/or paleontological artifacts protected, stabilized, or catalogued. Report one unit for each repatriation or transfer of custody of Native American human remains, funerary objects, sacred objects, and/or objects of cultural patrimony (cultural items) held in collections, pursuant to Title 43 CFR Part 10.10.; each instance in which all requirements of Title 43 CFR Part 10.10 have been met but where actual repatriation has not been completed because of decisions made by lineal descendants or Indian tribes or lack of a valid claim; and reburial of repatriated cultural items on BLM public lands. Report the number of accessions cataloged, inventoried, rehoused and/or otherwise upgraded. Materials from several sites or localities that are accessioned and cataloged under a single accession number should be considered one unit. An accession for which any one or more of the tasks of cataloging, inventorying or upgrading has been completed should be reported as one unit.</p> <p>Report each artifact as one unit.</p>	
C3 - Acres of Cultural / Paleontological Resources Surveyed, Inventoried or Monitored	<p>Report the number of acres of land surveyed, inventoried, or monitored for cultural and/or paleontological resources. Include acres surveyed using Class I study of existing information inventory, Class II probabilistic field survey, or Class III intensive field survey and resultant inventory as required by Section 14 of the Archaeological Resources Protection Act (ARPA) or Section 110 of the National Historic Preservation Act (NHPA).</p> <p>Report to the nearest whole acre.</p>	

<p align="center"><b>SNPLMA FY2020-FY2024 STRATEGIC PLAN GOAL 2: Improve the Quality of Life for all Publics in Urban and Rural Communities by Enhancing Recreational Opportunities that Connect People with the Outdoor Environment</b></p>		
<p align="center"><b>Performance Measures for Recreation Management</b></p>	<p align="center"><b>Definition of Performance Measures</b></p>	<p align="center"><b>Quantity</b></p>
R3- Number of New Recreational Facilities / Structures Constructed or Improved	<p>Report the number of new recreational buildings, structures, park amenities, or similar facilities constructed or improved. Existing recreational facilities may be counted under this performance measure if functional improvements are made as defined in the project nomination. Include shade shelters, picnic areas, playgrounds, arenas, amphitheaters, pedestrian bridges, etc. Do not report acres of land acquired for new parks or natural areas as this should be reported under performance measure R5 or R6.</p> <p>Report each facility or structure as one unit.</p>	
R4- Miles of New Recreational Roads / Trails Constructed or Routes Improved	<p>Report the number of miles of new recreational roads and/or trails constructed or improved. Restoration of existing roads and/or trails may be counted under this performance measure if functional improvements are made as defined in the project nomination.</p> <p>Report to the nearest whole mile.</p>	

<b>SNPLMA FY2020-FY2024 STRATEGIC PLAN:            Other Performance Measures that Also Support the Three Values for SNPLMA Implementation            of Sustainability, Connectivity, and Community</b>		
<b>Other Performance            Measures</b>	<b>Definition of Performance Measures</b>	<b>Quantity</b>
O1 - Number of Hazardous Sites Remediated	Report the number of hazardous sites where remediation actions are completed. Actions to be included are: removal of safety hazards, clean-up operations, restoration actions, and water quality remediation actions. Do not report temporary remediation measures. Report each site as one unit. When applicable, also report total weight of trash removed during clean-up operations.	
O2 – Number of Buildings, Facilities and/or Amenities Constructed or Refurbished	Report the number of buildings, facilities, or amenities constructed or refurbished to improve access, functionality and/or health and safety for employees and the public, or to facilitate the integrity of resource values. Include cross walks, park/trail lighting, fencing, barriers, retaining walls, weirs, signing, security cameras, etc. Report each building, facility or amenity as one unit.	1
O6 - Number of New Interpretive or Education Publications/Signs/ Kiosks/Displays/etc. Produced	Report the number of new interpretive or education publications produced, signs produced and installed, public informational websites or other electronic media presentations designed and implemented, and informational or interpretive kiosk displays produced and installed. Report each item produced as one unit.	
O8 – Buildings or Facilities that Support Green Sustainable Design and Construction	Report the percent reduction in the carbon footprint accomplished through green design, water conservation, energy independence, etc. Report the Leed certification level (silver, gold, platinum), if applicable. Report each building or facility as one unit.	1
O9 – Number of GIS Databases Generated and/or Map Layers Produced	Report the number of GIS databases created and/or the number of map layers produced to identify the location of natural resources within the environment and provide mapping for use in educational programs. Report each database or map layer as one unit.	1
O10 – Number of Volunteers Used	Report the number of volunteers used in educational or interpretive programs and for surveying, monitoring, or restoration activities. Report each volunteer as one unit.	
O11 – Number of Databases, Reports, and Other Electronic Means of Documenting Activities	Report the number of new databases, electronic reporting tools, mathematical/statistical models, websites, or reports developed and implemented to document project and/or program work. Report each electronic document or method developed as one unit.	
O12 – Number of Management Plans/Handbooks/Manuals/ Guides for Activity on Public Lands Completed (formerly under H11, F3, C4, and R1)*	Report the number of new or revised ecosystem restoration, hazardous fuels reduction, recreation, cultural, resource management, or other activity plans when the decision document for the plan is signed. Revisions include modification of a significant portion of the decisions in the activity plan. Do not report minor amendments or changes in these plans. Report each plan as one unit.	

**\*Note:**

Performance Measures H11, F3, C4, and R1, from original list were generalized and combined into new Performance Measure, O12.

**Glossary**

**Accession** – One or more objects and/or specimens acquired in the same manner from one source at one time for the museum property collection. Accessioning is the process of formally accepting and establishing permanent legal title (ownership) and/or custody for an object or specimen or group of objects and/or specimens. An accession can

consist of materials and associated archives from a single site or fossil locality, or materials from several sites or fossil localities.

**Biological Treatments** – Treatment of vegetation using domestic animals, insects, etc.

**Chemical Treatments** – Treatment of vegetation with herbicides, etc.

**Inventory** – Collection and analysis of baseline information; counting number of a given species, cultural feature, etc.

**Mechanical Treatments** – Treatments using hand or motorized tools for mowing, chaining, ripping, thinning, seeding, etc.

**Monitoring** – Establishment of current status and/or trends in environmental variables

**Riparian Habitat** – Riparian habitat includes the interface between upland habitat and a river, stream, or lake, regardless of whether it is intermittent or perennial. Riparian habitats are characterized by vegetation adapted to growing in water or saturated soils. Includes riparian woodlands, forests, buffer zones, or strips.

**Survey** – Observing an area to determine if a species or resource exists after which an inventory may or may not be performed.

**Upland Habitat** – Upland habitats include Mojave desert, grassland, shrub lands, pinyon juniper forests, and woodland sites.

**Wetland Habitat** – Wetlands are saturated areas, either permanently or seasonally, with characteristic vegetation adapted to its unique soil conditions.

Instructions: Put project cost estimates in Tabs 1-8. The values from those tabs will roll-up to this summary worksheet. The Non-Federal Contribution can be entered in Tabs 1-8 as a whole amount, it does not need to be broken out by unit cost.

**PROJECT BUDGET**

<b>Project Name:</b>		<b>Date:</b>	
<b>Project Manager:</b>		<b>Agency:</b>	
<b>Cost Categories</b>		<b>SNPLMA</b>	<b>Non-Federal Contribution</b>
1. Personnel (labor plus benefits)		\$ 1,687,075.00	\$ 175,000.00
2. Travel		\$ 121,000.00	\$ -
3. Training		\$ -	\$ -
4. Equipment		\$ -	\$ -
5. Supplies/Materials		\$ -	\$ -
6. Contracts and/or Agreements		\$ 9,775,000.00	\$ -
7. Vehicle Use		\$ 10,400.00	\$ -
8. Other Necessary Expenses		\$ 366,095.00	\$ -
<b>9. TOTAL PROJECT BUDGET</b>		<b>\$ 11,959,570.00</b>	<b>\$ 175,000.00</b>

Notes:

**1. PERSONNEL**

Include labor costs for all aspects of project implementation where agency labor will perform the work, e.g. planning and environmental documentation, section 106 compliance, labor to perform implementation, project management, interdisciplinary team (ID team), engineering, etc. Labor expense documentation must correlate the individual labor expense with the deliverable, task, or subtask. Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total labor costs.

Description of Role	Unit	Unit of Measure	Unit Cost	SNPLMA	Non-Federal Contribution
Project Manager (PM) - planning, execution, monitoring, controlling, reporting, and closeout of project	2195	Hours	\$ 130	\$ 285,350	\$ 99,400
Contracting Officer (CO) - Reviews and signs contract modifications prepared by Contracting Specialist. Overall contractual decision maker for the Government	400	Hours	\$ 135	\$ 54,000	\$ -
Contracting Officer Representative (COR) - Provides contract oversight, reviews and recommends payment approval to CO for payment to contractor	1230	Hours	\$ 135	\$ 166,050	\$ -
Contract Specialist (CS) - Provides contract administration on contract, processes modifications and progress payments for CO approval	975	Hours	\$ 125	\$ 121,875	\$ -
Financial Management Office - Provides agency tracking of expenditures for Government	260	Hours	\$ 125	\$ 32,500	\$ 10,100
Resource Management Office - Provides regional support to Hoover Dam on SNPLMA program actions	540	Hours	\$ 125	\$ 67,500	
Engineer Review - Performs review and analyzes Alternatives Analysis and Design submissions from vendor and documents comments on behalf of the Government	4000	Hours	\$ 190	\$ 760,000	\$ 65,500
Archeologist - Performs SHPO consultation on behalf of Government	220	Hours	\$ 135	\$ 29,700	\$ -
Environmental Compliance Manager - Performs NEPA and other compliance requirements	1260	Hours	\$ 135	\$ 170,100	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -

<b>Total</b>	<b>\$ 1,687,075</b>	<b>\$ 175,000.00</b>
--------------	---------------------	----------------------

**2. TRAVEL**

Travel expenses must make a direct and logical contribution to the project's purpose and deliverables (including tasks and subtasks, as appropriate). Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total travel costs.

Description of Travel and Purpose	Unit	Unit of Measure	Unit Cost	SNPLMA	Non-Federal Contribution
Subject Matter Experts - Water System Designers	20	Trip	\$ 1,100	\$ 22,000	\$ -
Geological Investigations and Survey Team	80	Trip	\$ 1,100	\$ 88,000	\$ -
Design Project Manager	10	Trip	\$ 1,100	\$ 11,000	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -
		Trip		\$ -	\$ -

<b>Total</b>	<b>\$</b>	<b>121,000</b>	<b>\$</b>	<b>-</b>
--------------	-----------	----------------	-----------	----------

### 3. TRAINING

Training expenses must make a direct and logical contribution to the project's purpose and deliverables (including tasks and subtasks, as appropriate). Example, contracting officer representative or program officer/assistance agreement training, training for chainsaw use, training for pesticide application, visual resource management, etc. Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total training costs.

Description of Role	Unit	Unit of Measure	Unit Cost	SNPLMA	Non-Federal Contribution
(ex) Project Manager - contracting officer's representative training in Colorado.	0	Each	\$ -	\$ -	\$ -
(ex) Wildlife Biologist - training for desert tortoise monitoring protocol in Palm Springs, CA.	0	Each	\$ -	\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -
		Each		\$ -	\$ -

<b>Total</b>	\$	-	\$	-
--------------	----	---	----	---



**5. SUPPLIES AND MATERIALS**

Supplies and materials necessary to complete the project. Supplies/materials must make a direct and logical contribution to the project's purpose and deliverables (including tasks and subtasks, as appropriate). Supplies/materials must be the minimum amount necessary to accomplish the project; purchasing extra supplies/materials to "stock the cache" for post project management activities is prohibited. Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total equipment costs.

Description of Role	Unit	Unit of Measure	Unit Cost	SNPLMA	Non-Federal Contribution
(ex) Pin flags to mark the locations of avoidance areas for sensitive resources	0	Bundle	\$ -	\$ -	\$ -
(ex) Deer repellent for use on vegetation restoration to aid in repelling rodents from eating new plants.	0	Gallon	\$ -	\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -

<b>Total</b>	\$ -	\$ -
--------------	------	------

**6. CONTRACTS AND AGREEMENTS**

Contracts and/or agreements (grants, cooperative agreements, assistance agreements, stewardship agreements, interlocal or state agreements, etc.) necessary to implement the project's purpose and deliverables (including tasks and subtasks, as appropriate). Extra or more robust documentation may be necessary if the contract and/or agreement is for multiple projects (e.g. a Master Agreement or CESU agreement). Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total grant and agreements used to implement the project.

Description of Role	Unit	Unit of Measure	Unit Cost	Subtotal	Non-Federal Contribution
Contract for geological investigation	1	Job	\$ 412,500	\$ 412,500	\$ -
Contract for topographic survey and mapping	1	Job	\$ 624,800	\$ 624,800	\$ -
Contract for Special Study of Alternatives	1	Job	\$ 3,214,200	\$ 3,214,200	\$ -
Contract for Development of 100% construction documents	1	Job	\$ 5,263,500	\$ 5,263,500	\$ -
Design Estimating and Construction Review	1	Job	\$ 100,000	\$ 100,000	\$ -
Value Engineering Study	1	Job	\$ 80,000	\$ 80,000	\$ -
Value Planning Study	1	Job	\$ 80,000	\$ 80,000	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -

<b>Total</b>	<b>\$</b>	<b>9,775,000</b>	<b>\$</b>	<b>-</b>
--------------	-----------	------------------	-----------	----------

**7. VEHICLE USE**

Use of an agency/entity vehicle, purchase of a new vehicle, rental of vehicle, or any other vehicle use not covered under Equipment. If possible, use the agency/entity fixed operation rate (FOR) multiplied by the unit (miles or hours) over the life of the project. The FOR includes depreciation and wear and tear on the vehicle tires, wiper blades, routine vehicle maintenance, etc. If special tires or replacement tires or other vehicle equipment is necessary, please show it under "Equipment." Vehicle expenses must make a direct and logical contribution to the project's purpose and deliverables (including tasks and subtasks, as appropriate). Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total vehicle use to implement the project.

Description of Role	Unit	Unit of Measure	Unit Cost	Subtotal	Non-Federal Contribution
Vehicle for Site Visits	80	Hours	\$ 130	\$ 10,400	\$ -
			\$ -	\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -

<b>Total</b>	\$	10,400	\$	-
--------------	----	--------	----	---

**8. OTHER NECESSARY EXPENSES**

Other Necessary Expenses are time and materials necessary for project implementation but are not specific to any one deliverable (including tasks and subtasks, as appropriate). If you included the labor, equipment, and/or supplies and materials in the other sheets, do not include them here. Please round to the nearest whole number. Add as many lines as necessary. This form is only to help estimate the total other necessary expenses to implement the project. This is not a complete list. Contact the SNPLMA Division for guidance on other necessary expenses.

Description of Role	Unit	Unit of Measure	Unit Cost	Subtotal	Non-Federal Contribution
Archeological Survey and Reports	1	Job	\$ 40,075	\$ 40,075	\$ -
Biological/Wildlife Survey and Reports	1	Job	\$ 13,200	\$ 13,200	\$ -
Review/preparation of EA/FONSI/NEPA/CE	1	Job	\$ 265,820	\$ 265,820	\$ -
Agency contributed materials (supply of site power, dedicated land and parking at no cost to the contractor)	1	Lump Sum	\$ 20,000	\$ 20,000	\$ -
Administrative Support - Perform internal miscellaneous document processing for Government	300	Hours	\$ 90	\$ 27,000	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -
				\$ -	\$ -

<b>Total</b>	\$	366,095	\$	-
--------------	----	---------	----	---